

M/V CAPE WRATH
AND
M/V CAPE WASHINGTON

ACTIVATION PLAN

PREPARED BY:

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M/V CAPE WRATH and M/V CAPE WASHINGTON

ACTIVATION PLAN

RECORD OF REVISIONS:

Rev	Sections Replaced	Replaced By	Date
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DISTRIBUTION LIST

No.	Location/Organization	Issue Date	Code
1	Crowley Liner Service Office		
2	Crowley Liner Service Port Engineer		
3	M/V Cape Wrath		
4	M/V Cape Washington		
5	MARAD – SAR		
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INTRODUCTION

1. **PLAN OBJECTIVE**

It is intended that this Activation Plan will provide details, sequences of events, time lines and individual responsibilities that, when executed, will result in the successful activation, crewing, testing, provisioning, storing, and deployment of Cape Washington or Cape Wrath, in Phase “O” status, within the allotted time frame (120 hours).

This is a contingency plan and it is expected that situations may arise that will necessitate deviating from this plan in the course of its implementation. Every effort has been made to include all the resources in this manual necessary to execute this plan, as well as providing options for unforeseen contingencies.

It is extremely important that all persons involved read and familiarize themselves with this plan.

2. **THE SHIP MANAGER’S COMPANY POLICY**

The smooth and efficient transition from a “Reduced Operating Status” (ROS) to Phase O Operation Status is the goal of the Ship Manager. This activation, whether completed under training exercise or national defense operation, is dependent upon the dedication, knowledge and expertise of the personnel involved. This goal can only be achieved through quality work habits and a commitment to excellence.

3. **TYPES OF ACTIVATIONS:**

MARAD has assigned two types of activations, which may be directed, depending upon the circumstances.

3.1 **NO NOTICE ACTIVATION**

MARAD provides no advance activation notice to activate the ship to Phase O, and time is very critical for this type of activation. The vessel must be activated, crewed, provisioned and stored, all regulatory body requirements completed, dock trial and sea trial completed, and the ship reported ready for Phase “O” operations within the 120 hours allotted.

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“No Notice” activations are usually directed either in response to a need to press the vessel into service in order to meet an urgent operational need or to test the Ship Manager’s ability to accomplish activation and crewing within the requisite time frame.

3.2 NOTICE ACTIVATION

MARAD provides advance activation notice to activate the ship from Phase IV Maintenance (either with crew or without crew). Notice activations usually support military exercises and may have extended activation period in order to conserve funding. However, the vessel is expected to be activated, crewed, provisioned and stored, all regulatory body requirements completed, and trials completed within the 120 hours allotted.

4. PLAN DISTRIBUTION

This activation plan will be distributed to the following personnel:

1. CLS RRF Program Office
2. CLS Port Engineer
3. M/V CAPE WRATH
4. M/V CAPE WASHINGTON
5. MARAD-SAR

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**A. ACTIVATION SCHEDULE
AND ACTIVATION TIMELINE**

<u>TIME</u> (Hrs)	<u>ACTIVITY</u>	<u>RESPONSIBILITY</u>
<u>DAY 1</u>		
+0	MSC notifies MarAd Headquarters, Washington, D.C.	MSC
+0.2	MarAd Headquarters notifies MarAd - South Atlantic Region	MARAD HQ
+0.4	MarAd - South Atlantic Region notifies the Ship Manager's	MARAD – SAR Contracting Officer or alternative Ship Operations
+0.5	The Ship Manager confirms activation notice with MarAd - South Atlantic Region ACO	
+0.5	The Ship Manager notifies Activation Team and conducts an Activation Team staff meeting as soon as possible	The Ship Manager's Contracting Officer
<u>Members of the Activation Team</u>		
Director Vessel Operations		
Director, Engineering		
Contracting Officer		
Senior Port Engineer		
Group Port Engineer		
+0.6	Contact technical representatives for the following trades: (where required) MAIN ENGINE/ CONTROLS RADIO/ COMMUNICATIONS NAVIGATIONAL EQUIPMENT	Port Engineer

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HYDRAULIC EQUIPMENT CARGO HANDLING		
<u>TIME</u> (Hrs)	<u>ACTIVITY</u>	<u>RESPONSIBILITY</u>
MECHANICAL CONTRACTOR ELECTRICIANS		
Purchase Orders to be issued to the vendors for technical assistance deemed most capable for specific tasks based on previous contracts, performance, and specific vessel requirements. Industrial Assistance and labor shall be obtained by the issuance of three (3) pre-cut Request For Quotations (RFQ's) to local yards and industrial assistance vendors. Immediate responses (within 1 hour of notification by telephone or telefax) shall be required. Work will begin within few hours of Notice to Proceed is given.		
+0.7	Notify layberth operators and vessel husbanding agent's of activation.	Port Engineer
+0.7	Notify vessel's key personnel to report to the vessel as soon as possible	The Ship Manager's Crewing Coordinator
+0.8	Dispatch Assistant Port Engineer to site Group Port engineer is already on site.	The Ship Manager
+0.9	Notify unions of anticipated manning requirements and when and where the crew is to report to the vessel.	The Ship Manager's Crewing Coordinator
+0.9	Issue pre-cut requisitions to vendors at this time based on anticipated length of activation, and coordinate delivery with site office personnel. Tentative bunker requirements will be addressed according to vessel fuel oil onboard, and information on possible load ports. Diesel and lubricating oil inventories shall be on hand for supplemental requisitions. Charts and publications will be ordered as required.	The Ship Manager's Buyer

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<u>TIME</u> (Hrs)	<u>ACTIVITY</u>	<u>RESPONSIBILITY</u>
ACTIVATION ON SITE		
+0	Notify local USCG and ABS offices of the vessel activation and that their services may be required. Provide them with tentative activation schedule. Note: This notice would only be required if the vessel to be activated has outstanding deficiencies with either authorities. Under normal conditions, vessel will have all valid certificates.	Port Engineer
+1	Meeting with P/E, ACOTR, MASTER, C/E, C/M, and 1A/E. Outline details of activation and delegate responsibilities to all department heads.	Port Engineer
+2	Deactivate lay-up security, fire and flood detection systems (if activated)	1 A/E, Electrician
+2	Test all Diesel Generator Safeties.	Chief Engineer, 1A/E
+2	Sound all F.O., L.O., ballast, and water tanks. C/E to inform Port Engineer of days steaming time with fuel oil onboard to determine bunker requirements for possible loading ports.	2A/E, C/M
+2	Top off all fresh water tanks.	3A/E QMED
+2	Test Cargo Vent Fans.	C/M
+4	Diesel Generator No. 1 on line.	Chief Engineer/ First Asst Eng

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+4	Test Operate Cargo Gear.	Chief Mate
+5	Reinstall and test Navigation Equipment.	C/M Tech Rep.
<u>TIME</u> (Hrs)	<u>ACTIVITY</u>	<u>RESPONSIBILITY</u>
+5	Test Evaporator Salinity Cells.	Chief Engineer
+7	Start Main Engine Jacket Water Heater.	Chief Engineer / 1A/E
+8	Start Lubricating Oil Purifiers and Heaters	Third Asst Eng
+8	Operate Winches.	Chief Mate / Bosun
+9	Operate Anchor Windlass.	Chief Mate / Bosun
+12	Test Navigation and emergency lights.	Chie Mate or Second Mate (If aboard)
+12-24	The remainder of day 1 will be utilized making any necessary repairs that would be required for systems that will be started on day 2. Industrial Assistance will be sought to accomplish these Repairs, if required.	Duty Personnel Industrial Assistance Contractor

DAY 2

+24	Daily Sitrep is to be forwarded MARAD-SAR and Ship Managers' headquarters. This report is to include status and event milestones, completion of events, or initiation of recovery actions. Recovery preparations shall include the adjusted schedule, adjustment to the overall critical path timetable, recovery time, and estimated additional costs.	Port Engineer
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Ship's crew begin reporting onboard.

Crewing and travel arrangements (under FTR guidelines) to vessel are made through the Ship Manager's Crewing Coordinator. Room assignments, room keys are issued and watches assigned.

<u>TIME</u> (Hrs)	<u>ACTIVITY</u>	<u>RESPONSIBILITY</u>
	A) If hotel services are available aboard vessel, the crew will remain on board (normal ROS-5 ships are habitable).	
	B) In the event hotel services are not yet available, the crew will be accommodated in a local hotel. Arrangements are to be made through the local agent under FTR guidelines. Master is to assign watches and travel arrangements are to be made for transporting crew members to/from vessel.	
+24	As crew members arrive onboard vessel, they are assigned specific duties and general cleaning, and organizing spaces to be commenced.	Chief Engineer Chief Mate
+24	Start Diesel Generator No. 2 and put on line.	Chief Engineer or First Asst Eng
+24	Test all batteries for General Alarm and Communications	Third Asst Eng.
+24	Test all communications equipment with Radio Operator and Radio Tech. Rep.	Radio Operator / Radio Tech Rep.
+26	Shift to ship's power.	Chief Engineer or First Asst Eng
+27	Begin testing the following machinery:	
	MAIN ENGINES	Chief Engineer

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	STEERING GEAR BOWTHRUSTER STERNTHRUSTER EMERGENCY GENERATOR EMERGENCY STARTING AIR COMPRESSOR	First Asst Eng M/E Tech Rep. Automation / Control Rep.
+27	General overall inspection and acquaintance of vessel for all involved.	Crew
+27	Steward's Department distributes linen and makes up rooms.	Chief Steward, Steward Utility
+29	Receive initial shipment of steward's stores	Chief Steward chief Cook with Industrial Assistance
+32	Chief Steward establishes menu and sets meal schedule based on delivery schedule of initial order of foodstuffs.	Chief Steward
+33-48	The remainder of day 2 is to be spent finishing any outstanding repairs in order to have all systems operating Industrial Asst Laborers as soon as possible. If possible, prepare to Dock Trial 1 day early, preparations would be made to operate all systems on day 3.	Technical Reps.
<u>DAY 3</u>		
+48	Chief Engineer sets watches for Engine Department for 0001 hours of day 3.	Chief Engineer
+48	Chief Mate sets watches for Deck Department for 0001 hours of day 3.	Chief Mate
+49	Vessel continues to receive stores and spares. Mate Crew Assistance	First Asst Eng. Chief Chief Steward, Vessel With Industrial

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+49	Make all preparations to receive bunkers. Chief Engineer will inspect the entire fuel transfer system to ensure readiness to receive fuel.	Chief Engineer Second Asst Eng
+50	When entire crew is aboard, hold fire and boat drills. Ensure each member of crew is instructed in their duties and in the operation of all emergency gear.	C/M / Chief Engineer

<u>TIME</u> (Hrs)	<u>ACTIVITY</u>	<u>RESPONSIBILITY</u>
+61-71	The remainder of day 3 to be spent finishing repairs, loading stores, spares and provisions and testing auxiliary systems to prepare for MSC dock trial on on day-4	Deck, Engine and Steward Depts., Tech, and Industrial Assistance

DAY 4

+71	BEGIN DOCK TRIALS	Vessel Activation Team Vessel's Crew Port Engineer M/E Tech Rep. Automation / Controls Rep. Marad Surveyor Nav. Equip Tech Rerp.
	Demonstrate operational testing of the following machinery Per MSC/MARAD guidelines: MAIN ENGINES BOWTHRUSTER STERNTHRUSTER STEERING GEAR EMERGENCY GENERATOR COMMUNICATION EQUIPMENT EVAPORATOR CARGO GEAR ANCHOR WINDLASS NAVIGATION EQUIPMENT COMMUNICATION EQUIPMENT	Cargo Gear Tech. Rep Hydraulic Tech Rep Radio / Communication Tech Rep

In addition, any auxiliary machinery or equipment deemed

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significant by the MARAD shall be proven operational.

+81 Departs for Sea Trial / Tender Vessel to MSC (if the Sea Trial has been completed within the 12 months preceding the activation.

Sea Trial Team
MARAD Surveyor

+81-105 BEGIN SEA TRIALS

Sea Trial Team

AHEAD FULL POWER
ASTERN TEST
GENERATOR TESTS
STEERING TESTS
ANCHOR TESTS
BOW/STERN THRUSTER TESTS
EVAPORATOR TESTS
NAVIGATION EQUIPMENT

MARAD Surveyor
MARAD Sea Trial Observer
MSC Rep
Port Engineer
Vessel Crew
Tech Reps

+105 Tender vessel to MSC.

MARAD Surveyor
Port Engineer

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**A. ACTIVATION SCHEDULE
AND ACTIVATION TIMELINE**

<u>TIME</u> (Hrs)	<u>ACTIVITY</u>	<u>RESPONSIBILITY</u>
0 Hour	Ship Manager notified by MARAD to activate vessel.	MARAD
+5 Min	Ship Manager Department heads and Site Activation leader are advised of activation as outlined in the Activation Plan.	Ship Manager
+10 Min	1) Site Activation Team notified. Team prepares to proceed to vessel. ROS Crew notified. 2) Notify U.S.C.G. and A.B.S. of activation	Ship Manager Port Eng./Chief Eng.
+1 to +11 Hours	1) Crewing Coordinator to contact AMO and SIU. Officers and crew to arrive 2) Notify marine electronics technician to attend vessel to put into operation the radar equipment & communication equipment. 3) Test lighting circuits throughout vessel and place in proper operating condition. Includes but not limited to running debarkation, range, gangway, flood, mast head, signal, search light, deck cargo lights, engine room lights etc. 4) Test remaining vital electrical circuits throughout the vessel.	Ship Manager/ Crewing Coordinator Ship Manager Crew Crew
+12 to +23 Hours	1) Hold first Progress Meeting 2) Ships Master, wiper and QMED arrive. 3) Activate ship's service diesel generator. Shift to ship's power. 4) Pre test vessel's navigational equipment. 5) Check out of radio equipment. 6) Test bilge pumps/system piping and oily water separator/monitoring.	Port Engineer/Crew Crew Crew Crew

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<u>TIME</u> (Hrs)	<u>ACTIVITY</u>	<u>RESPONSIBILITY</u>
+24 to +47 Hours	1) Hold Progress Meeting.	Port Eng/Crew
	2) Additional crew members arrive.	
	3) Purchase Fuel Oil (MGO) and arrange to have it delivered.	Ship Manager
	4) Start and test run emergency generator and fire pumps.	Crew
+48 to +59 Hours	1) Hold Progress Meeting.	Port Eng/Crew
	2) Additional crew members arrive.	
	3) Conduct crew orientation/training as required.	Port Eng/Master
	4) Order Tugs and Pilots through the Port Captain.	
	5) Start up Fuel Oil Purifier and take suction from settler to the day tank.	Crew
	6) Start up Diesel Oil Purifier from settler to the DO day tank.	Crew
	7) Take on Bunkers (as per Fuel oil Transfer Procedure).	Crew
	8) Take on deck and engine stores.	Crew
+60 to +71 Hours	1) Hold Progress Meeting.	Port Eng/Crew
	2) Take delivery of vessels food stores/consumables.	Crew
	3) Pre test all fire fighting and lifesaving equipment.	Crew
	4) Test cargo handling equipment, stern ramp; and mooring wenches.	Crew
	5) Prepare for dock trials.	Crew
	6) Outfit lifeboats, check safety equipment.	Crew

<u>TIME</u> (Hrs)	<u>ACTIVITY</u>	<u>RESPONSIBILITY</u>
+72 Hours	1) Hold Progress Meeting.	Port Eng/Crew
	2) Conduct fire and boat drills to satisfaction of USCG inspector.	Master/ C/M
	3) DOCK TRIALS	Port Eng/Crew
	a. Together with regulatory authority personnel	

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determine that all equipment is in operational condition.

- b. Check stern tube lubricating system.
 - c. Ascertain that there is oil in the line shaft bearings.
 - d. Ensure that propeller is clear for turning. Engage main engines turning gear and commence turning the engines.
 - e. Disengage the turning gear and blow out the engines with starting air.
 - f. Conduct Dock Trials.
- 4) Test all remaining auxiliary equipment.
 - 5) Start up and put on line remaining generators, test parallel, load sharing, and reverse current trips.
 - 6) Check out and test run remaining systems.

+84 Hours	1) Resolve deficiencies.	Port Eng./
+84 Hours	1) Tender vessel to MSC / Conduct Sea Trials, if not conducted during the Preceding 12 months	Ship Manager / MARAD Capt./Chief Eng.
+84-108	SEA TRIALS	Sea Trial Team
	a. AHEAD FULL POWER	MARAD Surveyor
	b. ASTERN TEST	MARAD Sea Trial Observer
	c. GENERATOR TESTS	MSC Rep
	d. STEERING TESTS	Port Engineer
	e. ANCHOR TESTS	Chief Engineer
	f. BOW/STERN THRUSTER TESTS	Master
	g. EVAPORATOR TESTS	Chief Mate
	h. NAVIGATION EQUIPMENT	
+108 Hours	1) Tender vessel to MSC	Ship Manager / MARAD

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**B. VESSEL LOCATION
AT ACTIVATION FACILITY**

The CAPE WRATH is currently outported at Port Covington Pier 6, 399 East Cromwell Street, in Baltimore, Maryland, 21230. The CAPE WASHINGTON is undergoing an extensive Deck Expansion Project at North Florida Shipyard, Jacksonville Florida. The CAPE WRATH is in ROS-5 status with a nine-person crew complement onboard. The CAPE WASHINGTON is C-4, out of readiness.

ACTIVATION SHIPYARD SOLICITATION, EVALUATION AND SELECTION (IF REQUIRED):

Due to the CAPE WRATH's ROS-5 status, it is not necessary to move the ships to a repair facility to be activated or deactivated. Activation of the CAPE WASHINGTON will not be possible due to the Deck Expansion Project.

All activation repairs, tests, inspections and dock trials will be accomplished at ROS-5 berth. All stores, provisions, spares, bunkers, etc. will be received at this berth as well.

If required, shipyard repair facilities are located near the ROS berth. There is at least one (1) major full service shipyard located in Baltimore, Maryland with a drydock and wet berths that are able to accommodate the M/V CAPE WRATH / CAPE WASHINGTON. There are also numerous industrial support facilities in the vicinity for round-the-clock industrial and technical assistance, if necessary. A complete list of contractors is included in Section I.

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**C. SOLICITING, EVALUATING AND SELECTING
TECHNICAL AND INDUSTRIAL ASSISTANCE**

1. NO-NOTICE ACTIVATIONS

1.1 For ROS vessels, technical and industrial assistance may or may not be required for activation. An activation shipyard is not a prerequisite for a ROS vessel mobilization.

1.2 SHIPYARD SELECTION WHERE REQUIRED:

Pre-cut Request For Quotations (RFQ's) will have been distributed to the local industrial support concerns deemed most capable for supplying skilled and unskilled industrial assistance. Specialized technical assistance will be procured by issuing pre-cut Purchase Orders (PO's) to the vendors deemed most capable and, in some cases, the only qualified technicians for a particular piece of equipment (i.e. MacGregor for cargo access equipment) as a sole source contractor.

When the Ship Manager receives an Activation Notification for one or both of the CAPE "W" class vessels, the pre-cut pre-approved RFQ's will be telefaxed to a minimum of three (3) shipyard/repair facilities as mentioned above. From the moment these facilities receive the solicitations, they have three (3) hours to respond to the RFQ. Responses received after three (3) hours will be deemed late and non-responsive. Responses to the RFQ will be by telefax transmission.

The award will be made within one (1) hour after the response deadline. Notice To Proceed will be one (1) hour after bid is awarded. The contractor will be required to work round-the-clock shifts. The commencement of work is required to begin one (1) hour after the Notice To Proceed is given.

1.3 For a ROS vessel activation, MARAD issues task orders to the Ship Manager, designating a task order and a 'Not To Exceed' dollar amount for the activation. The Ship Manager will then issue the purchase orders within the scope of the funding document for items such as industrial assistance, technical assistance, provisions, stores, spares, crew, bunkers, etc.

2. PLANNED ACTIVATIONS AND MAINTENANCE ACTIVATIONS

2.1 The Ship Manager will select facilities and award contracts based on normal RFB

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procedures. Solicitations for an activation will be conducted on a full and open competitive basis.

3. SHIPYARD CONTRACT CHANGE ORDERS AND COMPENSATION

- 3.1 The Shipyards and contractors are required to submit Condition Reports detailing the deviation of the work in relation to the specifications, or details of emerging work to the Port Engineer with a proposal and estimate to correct the condition. Port Engineer after careful review and discussion, issues Delivery Orders (D.O), if found legitimate.
- 3.2 In the absence of a national emergency declaration, displacement of existing work by RRF ship activations will require documented authority from the cognizant Naval Officials as follows:
 - 3.2.1 In case of a schedule conflict involving Navy work, the Naval Sea Systems Command or cognizant Navy Type Commander will provide written or telex notice of the priority, via the cognizant Navy Supervisor of Shipbuilding, Conversion and Repair (SUPSHIP), to the affected facility. This will usually be accompanied by a contract change order.

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D. “NO-NOTICE” ACTIVATIONS

Crowley Liner Services’ primary point of contact for notification of a “No-Notice” or any other type of activation is the Director of Vessel Operations. If the Vessel Operations Director is not available, the Director of Engineering serves as an alternate.

Director, Vessel Operations:	Cole Cosgrove
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When an activation notice is received, the Director, Vessel Operations notifies CLS personnel in the following sequence:

Port Engineer:	Rick Bullock
Senior Port Engineer	Paul Varghese
Contracting Officer:	Pat Murphy
Director of Engineering:	Mike Golonka
Director, Marine Operations	Jim Gillen

The Port Engineer will immediately contact the vessel’s duty personnel. The duty personnel will start the onboard tasks as directed by the Chief Engineer and Port Engineer. The Port Engineer will also notify the local regulatory bodies, layberth operators and vessel agents.

The Senior Port Engineer notifies the following personnel:

Crewing Coordinator:	Edwin Colon
Senior Labor Reations Representative	Lester Wiiliams
Payroll Supervisor:	Heike Lynagh
Buyer:	Marian Mobley
Personal Injury Claims:	Joy Sargent
Activation Coordinator:	Judy Hagerty/Curt Hingson
Navigant Travel Coordinator:	Vicki Penton

All office personnel can be reached through the CLS 24-hr office telephone number (904) 727-2254.

Should an activation notice be issued outside of normal business hours, on a weekend or on a holiday, CLS has established a system for contacting office staff. The Duty Personnel is appointed to handle emergency communications. MARAD is kept advised of the contact numbers through the Ship Manger Information Sheet. The duty Personnel Pager Number is (800) 329-2761.

When a call is received by the CLS Duty Personnel, the Duty Personnel contacts Director, Vessel

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Operations. If, for some reason, the Director Vessel Operations cannot be reached, the Duty Personnel will cycle through CLS Ship Manager Information Sheet (distributed separately by the Contract Administrator) until a responsible person has been reached. The Director, Vessel Operations (or responsible person) then contacts the CLS senior staff members in accordance with the established chain of command as noted above.

A meeting will be scheduled with the key office staff personnel as soon as possible for the purpose of coordinating the activation. Other notifications, requisitioning of supplies and the like will be accomplished per the Activation Schedule.

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**E. UPDATING AND DISSEMINATING
“NOTIFICATION / ALERT LIST”**

The Ship Manager will update this plan as necessary.

Plan holders should notify the Ship Manager’s Contracting Officer and / or Director, Vessel Operations when their after hours telephone number changes.

After adding new or removing old pages, the plan holder shall complete the “Record of Changes” chart.

This plan will be updated within 30 days after the completion of every activation. If there is no activation during a given year, then the plan will be reviewed and updated on an annual basis.

Changes in the Ship Manager’s personnel or changes in contact information will be forwarded to all holders of the Activation Plan as they occur. Contractor and sub-contractor changes will be handled in a similar fashion.

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**F. SHIP MANAGER
KEY PERSONNEL TRAINING**

The Ship Manager's key personnel (office) attended a training session in the requirements of the RRF Ship Manager Contracts and their responsibilities in fulfilling contract requirements. This training included in detail the makeup of the plan and the requirements to implement the plan. Each element of the plan was discussed in detail. In addition CLS has an Activation Coordinator who is very familiar with the plan, and attends the activation to assist the Port Engineer and the Master. The Port Engineer was given the task to review the parts of the Activation Plan unique to his assigned vessels and to correct on parts and incorporate of comments received from the ship. These procedures not only involved the Port Engineers in updating of the Activation Plan but also ensured that all of CLS key personnel are fully conversant with the Activation plan during Phase IV.

Before issue, the Plan was reviewed in detail in with all activation staff review comments were requested from each of the following key personnel: the Port Engineer, Director of Engineering, Director, Vessel Operations, Contracting Officer, Crewing Coordinator, and Senior Port Engineer and Chief Engineer. Any updates will be approved by this group of key personnel, and an yearly review schedule was agreed to assure that it is reviewed internally at least once a year if not more often.

A copies of the Activation Plan for each ship is kept by the Director, Vessel Operations, and a copy is retained aboard each vessel. In addition, the Port Engineers have copies of the Activation Plan for each of their assigned ships. Upon receipt of the Activation Notice, the Director, Vessel Operations is responsible for making the Activation Plan immediately available to all CLS key personnel involved in supervising and supporting the activation of the ship.

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**G. SHIP MANAGER'S
ACTIVATION REQUIREMENTS**

1. SELECTION OF ACTIVATION FACILITY

The selection of an activation facility is not required for the M/V CAPE WRATH or CAPE WASHINGTON (see Section B).

2. ACTIVATION COORDINATION BY SHIP MANAGER

The Operations Department arranges for and coordinates all activation services with appropriate vendors including contractors and regulatory agencies. The assigned Port Engineer supervises the ship activation in association with this Activation Plan. He/She ensures all regulatory body inspections and surveys are completed to obtain the documents and certificates necessary to keep the ship in class and ready for sea.

CLS Port Engineer is in charge of the activation team that consists of the Port Engineer, Assistant Port Engineer (if assigned), Master and an Administrative Support Person (Activation Coordinator). The Port Engineer has prime responsibility for implementing this Activation Plan. He/She arranges for meetings at the start of each 12-hour shift in order to coordinate planned work. Meeting attendees will include:

Port Engineer (Leader)
MarAd Surveyor
Contractor's Ship Supervisor
Technical Representatives of Independent Contractors
Representatives of Regulatory Agencies
Ship's Master and Chief Engineer
MSC Representative (if applicable)

3. PURCHASING

Precut requisitions covering items on the Initial Outfitting Lists for the Deck, Steward and Engine Departments is issued by the Purchasing Department. Vessel Steward, working in conjunction with the Activation Team, oversees vessel provisioning and makes arrangements for a storing gang to move delivered provisions to storerooms and reefer spaces aboard ship.

Purchasing Department arranges for the delivery of fuel oil to the vessel or for shifting to a bunker berth as conditions dictate. The Port Engineer makes the fuel request to the Purchasing Department, and has overall responsibility for husbanding the ship.

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Material and services required to support activation are normally procured by the contractors. CLS Purchasing Department is prepared to procure any required material or services not provided by the contractors. See Ship Operations Plan for requisitions and interface procedures.

4. CREWING INCLUDING ALTERNATIVE LABOR SOURCES

All CLS ships are crewed with AMO officers and SIU Unlicensed ratings. Upon direction to activate, the Marine Personnel Department contacts AMO and SIU to begin the crewing process. Using CLS maritime personnel computer database, a list of available mariners is generated. This list of potential crewmembers including any special training and unique qualifications is matched against the open billets on each ship. This information is in addition to that obtained from the maritime Unions. Crew selection and travel arrangements is expedited to support the activation schedule. Our primary source for crewing RRF ships are our contracted maritime Unions, American Maritime Officers (AMO) and the Seafarer's International Union (SIU), including relief crews from our MPS vessels. If required, during a full-scale mobilization or at any time that crew shortages occur and cannot be filled using out primary source, CLS may contact licensed manpower from MEBA I and the MM&P. In such an instance, the Director, Vessel Operations advises MAR-250 and MAR-745 of the need to use alternate labor sources.

5. PORT ENGINEERING SERVICES (24 HOUR BASIS)

CLS's activation team includes the Port Engineer and an Assistant Port Engineer (if assigned) to provide around-the-clock supervision coverage including a minimum of one-hour overlap between watches to support No-Notice Activations. The Port Engineer is in charge of CLS activation team and has prime responsibility for the implementation of this activation plan.

6. PORT CAPTAIN SERVICES

CLS does not utilize Port Captain services for MARAD activations.

7. CONDUCT FULL POWER SEA TRIAL

Because the vessel is maintained in a reduced operating status (ROS) and Sea Trials are conducted annually, full power sea trials are not required. When the ship is ready to conduct unrestricted operations, the Port Engineer reports to the MARAD Surveyor that the ship is ready for tender to MSC. If directed by COTR, the Ship Manager shall offer ship for tender to MSC. However, MARAD usually performs this function.

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8. QUICK LOOK REPORT and AFTER ACTION REPORT

The Director, Vessel Operations submits a "Quick Look Report" on the Activation to the MARAD COTR within 48 hours of completion of Activation and provides an Activation After-Action Report within 10 days following the return to phase IV.

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**H. SHIP MANAGER
PERSONNEL AUGMENTATION**

CLS Group Port Engineer attends all activations as he “On-Scene” manager. However, the Group Port Engineer is responsible for two ships. In the event of multiple activations involving both of the ships assigned to a Group Port Engineer, an alternate “Lead Port Engineer” will be provided to attend one ship while the regularly assigned Group Port Engineer attends the other. CLS maintains a computer generated “Address Book” containing company names, addresses, phone/fax numbers and names of key personnel for contractors, technical representatives, vendors, suppliers and regulatory agencies throughout the United States and foreign countries where CLS does business.

The Director of Engineering contacts sources as required to obtain temporary personnel to augment permanent staff in case of simultaneous multiple activations: See the attached list of “Outside Personnel Phone Numbers and Source of Temporary Personnel”. This personnel list is continually updated, adding and deleting personnel as required.

OUTSIDE PERSONNEL PHONE NUMBERS
SOURCE OF TEMPORARY PERSONNEL

<u>Name</u>	<u>Telephone Number</u>
Norman Gauslaw	(904) 246-8526
Lou Cascone	(504) 400-8925
Willie Kirschner	(863) 494-6662
Jim Molloy	(603) 367-8478
John Nelson	(662) 563-9278
Relief Crews	(In House)

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**I. MARAD, ABS, USCG
PERSONNEL, CONTRACTORS
AND SHIPYARDS**

A list of key agencies and firms including those listed below that could be involved in some capacity with activation of the vessel is included in this Section. This listing will be used in conjunction with the CLS "Address Book" which is also included in this Section.

MARAD regional key personnel

Towing companies

Shipyards and Ship Repair Contractors

ABS, USCG, and other regulatory bodies

Suppliers of equipment and provisions

Subcontractors

Maritime unions

Technical and service representatives

Bunker suppliers

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Port Covington, Pier 6, 399 East Cromwell Street, Baltimore, MD 21230.
TEL: (410) 752 4264; FAX: (410) 752-4251

Ship Manager: Crowley Liner Services

Address: 9487 Regency Square Blvd, Jacksonville, FL 32225
Tel: (904) 727-2200; 24-Hr Tel: (904) 727-2254
Fax: (904) 727-2501; Operation Trailer (904) 727-2185

(Name)	(Position)	(Office Phone)	(Home Phone)	Cellular Phone	e-mail
Ship Manager Contacts					
Coleman (Cole) Cosgrove	Director, Vessel Operations	(904) 727 2615	(904) 642(9060	(904) 571-1176	Cole.Cosgrove@crowley.com)
(Mike Golonka)	(Manager, Engineering)	(904) 727-2613	(904) 724-2278	(904) 613-3008	Mike.Golonko@crowley.com)
(Patricia (Pat) Murphy)	(Contract Administrator)	(904) 727-2624	(9040) 725-2576	(904) 608-7860	Patricia.Murphy@crowley.com)
(Paul Varghese)	(Senior Port Engineer)	(904) 727-4140	(845) 639-4159	(904) 607-9918	Paul.Varghese@crowley.com)
(Rick Bullock)	(Port Engineer)	(410) 752-2836	(252) 257-2556	(443) 742-5584	Rick.Bullock@crowley.com)
Maritime Administration					
(Dave Jansohn)	(Marine Surveyor)	(757) 441-3139	(757) 546-9035	(757) 287-0514	dave.jansohn@marad.dot.gov
Agents					
Awaiting Appointment					
USCG					
Emergency		(800) 418 7314			
Charles Miller	Captain	(410) 576-2564			(410) 576-2575-Fax
Dave DiBella	Inspector	(410) 576-2517			

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Mark Stroegbauer	Inspector	(410) 388-8813			
ABS					
I.J. Clive Owen	Senior Surveyor	(410) 477-0848	(410) 628-2728		
Dennis G. Malseed	Surveyor	(410) 477-7899	(410) 734-9195		
Towing Company					
Moran Towing	24 Hr. Contact	(410) 732-9610		(410) 732-9622 - Fax	

VENDOR LIST				
General Ship Repair	1449 Key Highway	Baltimore, MD 21230	410 752-7620	410 752-4650 Jack Grieve

*MarAd, ABS, USCG, Personnel, Contractors
and Shipyard*

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M&S Marine	76 Alco Place	Baltimore, MD 21227	410 737-4840	410 737-4852	Gary Mills
Technico Corporation	4701 Belgrove Road	Baltimore, MD 21225	410 609-2055	410 609-2057	J.D. Bernier
Harbor Tech. Inc.	6410 Landay Ave	Baltimore, MD 21237	410 325-7080	410 325-7082	G. Gomez
The Wisner Electric Co.	2701 Frederick Ave	Baltimore, MD 21223	410 233-5262	410 566-8324	Sean McCurly
United Coatings			410 355-8015		Bill Naunton
Harris Fire Protection	7974 E. Baltimore St	Baltimore, MD 21224	410 285-7272	410-282-9377	Steve Cieslak
Unitor Ship Services, Inc	4209 New Gate Ave	Baltimore, MD 21224	410 633-1624	410 633-1757	Dan Morrison
Bailey Refrigeration	4986-1 Euclid Road	Virginia Beach, VA 23462	757 456-9157	757 497-8785	Jeff Green
Seaway Coatings, Inc.	P.O. Box 9905	Baltimore, MD 21224	410 732-7230	410 558-2182	Chris Serdenes
MP Industrial Coatings	719 N. North Point Blvd	Baltimore, MD 21237	410-325-2700	410 488-4733	Dino Emmanuelidis
A&G Services Inc.	225 Golden Maple Dr.	VA Beach	757 463-7811	757 463-7976	Alex Wetering
DG International Inc	1909 Meredith Road	VA Beach, VA 23455	757 363-7415	757 363-7416	Vu Phung Lu
Atlantic Business Machines	644 Ingleside Ave	Baltimore, MD 21228	410 747-6161	410 747-2011	Tracey
Wren's Business Machines	11161 Pulasky Hwy	White Marsh, MD 21162	410 335-6905	410 335-6915	Bruce O'Hara
United Radio Services, Inc	6818 Ft. Smallwood Road	Baltimore, MD 21226	410 636-6110	410 636-6111	Ralph Sponar
Electric Motor Services	802 Live Oak Drive	Chesapeake, VA 23320	757 424-0134	757 424-7092	Randy Elswick
Underwater Services Int'l	4128 NW 47th Place	Gainsville, FL 32606	352 373-6301	352 373-8855	Wendell R. Swilley
USA Services Inc.	1111 Ingleside Road	Norfolk, VA 23502			
Vane Brothers (MD)Marine Saf	4209 New Gate Ave	Baltimore, MD 21224	410 631-5167		
Hiller Systems Inc	833 Principal Lane	Chesapeake, VA 23320	757 549-9123	757 549-1083	Colin Cardosi
Chesapeake Bay Diving Inc	655 Mt. Vernon Ave	Portsmouth, VA 23707	757 397-0422	757 399-8482	Bill Santabar
Instruments East	1037 West 45th Street	Norfolk, VA23508	757 489-3100		Tim Smiddy
Maryland Nautical	1400 E. Clement Street	Baltimore, MD 21230	410 752-4268	410 685-5068	Patric Thompson
Davis Ship Service			410 625-2672		

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**J. SCREENING, INTERVIEWING
AND BRIEFING PROCEDURES**

Selection of Masters and Chief Engineers for RRF vessels is influenced by several factors. Although qualification, ability and experience are predominant on the list of requirements, they are not the only factors, which influence the decision. Among other things, leadership quality and educational background stand out in the screening.

Masters and Chief Engineers are selected from the AMO (AFL-CIO) and CLS follows all the guidelines and collective bargaining agreements in selecting the right candidate for the positions. CLS maintains a database of competent mariners at the Jacksonville, Florida office and hence enjoys a significant advantage in selecting best candidates to serve as Masters and Chief Engineers.

The screening and interviewing of the vessel's Master(s) and Chief Engineer(s) are administered by CLS Director of Vessel Operations with the assistance of the Crewing Coordinator. The Crewing Coordinator screens educational qualifications, licensing requirements, specialized training and previous work history. The short listed candidates are then interviewed to assess their ability and leadership qualities, among other things, before being forwarded to Director, Vessel Operations for further scrutiny.

The procedures used in selecting new personnel are listed below. However, using all resources available CLS ensures that the most responsible, professional and trustworthy Masters and Chief Engineers are selected. CLS selects our Masters and Chief Engineers from a composite pool of AMO candidates and we demand and obtain only the best.

Initially, CLS receives the resume and/or a CLS employment application of a candidate. The Marine Index Bureau is contacted (via fax/phone) for a confidential history of illness/injuries and disciplinary incidents, if any on record. Previous employers are contacted directly to verify their capabilities. This information is reviewed with their performance history for further consideration. Related experience and the recommendations of our ships' officers are also used to aid in the selection process.

The likely candidate, when scheduling permits, is brought to the CLS office for a personal interview with the Director, Vessel Operations and the Director of Engineering. The Director, Vessel Operations, who advises him of exactly what is expected in his job performance and then is introduced to other Operations and Key Personnel for an overview of company functions. CLS, as a result of its previous commercial operations, has contact with a number of Masters already sailed for the company, some being on vacation and others sailing at a lower level. As a result, the vessel is assigned a proven master known to CLS. The Chief Engineer has been previously selected and is a member of the ship's ROS crew.

CLS has the right of selection in consultation with MARAD. Prospective crewmembers are advised

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by the Crew Coordinator that they will serve as full-time crewmembers upon receipt of activation orders. CLS conducts performance reviews on maintenance crewmembers every six months of employment.

Selected candidates are briefed at the CLS Office at Jacksonville, Florida, if possible, during the initial employment. They are also required to view the Ship's Familiarization Video and comply with the Ship Familiarization Booklets as soon onboard.

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**K. SHORESIDE STAFF INTERIM
PROCEDURES PRIOR TO CREW ARRIVAL**

Upon receipt of the activation notification, the Senior Port Engineer/ Contract Administrator contacts Navigant Travel, FL (available 24 hours) and makes immediate travel arrangements for members of the Activation Team, who shall be On-site. In the interim the ROS crew commences the activation procedure. The Activation Team normally consists of the Port Engineer, an assistant Port Engineer and a Supervisory Personnel. The Senior Port Engineer approves purchase orders for pre-selected technical representatives and specialty services. The Activation Team, led by the Port Engineer, promptly convenes a joint planning meeting at the activation site to coordinate all activities required to make the vessel ready for sea within the specified readiness period in accordance with this Activation Plan and the Activation Specification. Throughout the activation, the Port Engineer conducts shift meetings to coordinate the activities of the repair contractors, if any, the technical representatives and the regulatory agencies. Progress versus the schedule is closely monitored, potential problems identified and corrective action initiated.

Upon direction to activate, the Engineering/Operations Department contacts AMO and the SIU to begin the crewing process. The Crewing Coordinator utilizes his computerized database of manpower resources to facilitate the personnel contact process and to selectively crew the ship according to its unique skill/qualification requirements.

The Supervisory Team Member supports the Port Engineer and will work closely with the ship's Master when he/she arrives. He/She monitors crewing, storing, provisioning and will make arrangements for bunkering the ship. He/She coordinates the checkout and testing of cargo and deck gear, navigation equipment, and the inspection of life saving equipment by the Coast Guard.

The Assistant Port Engineer supervises vessel provisioning and makes arrangements for a storing gang to move delivered provisions to storerooms and reefer spaces aboard ship.

The Contract Administrator makes temporary lodging arrangements (if required) for the crew during any time the ship is not habitable, and ensure that the ship's agent arranges for personnel transportation to and from the ship during this time period.

The Activation Coordinator or Contract Administrator prepares the ship's administrative package and sends it to the ship via our local agent. This package contains the forms and documents listed in the Operations Manual plus CLS Corporate policies and standard operating procedures. The Buyer coordinates medical supplies with CLS' medical advisor, MAS.

Director, Vessel Operations closely monitors the progress of the Activation by frequent communications with the Activation Team. He/She anticipates and provides any unplanned shore side or site support as required to meet the Activation schedule. He/She coordinates with the Port Engineer and MARAD Surveyor and notifies the Region SOMO/COTR of daily progress and any important occurrences.

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L. DETAILED MANNING ROSTER

The minimum manning rosters for the M/V CAPE WRATH / is listed on the vessel's United States Coast Guard Certificate of Inspection. A copy of this certificate for the ship is included in this section. The manning roster as specified by MARAD in the Ship Manager's contract is also included in this section. Reduced Operating Status (ROS) and Full Operating Status (FOS) manning requirements are also included.

CREW LIST

POSITION DESCRIPTION	MIMUM MANNING	ROS STATUS	PHASE "O" STATUS
MASTER	1	0	1
CHIEF MATE	1	1	1
2 ND MATE	1	0	1
3 RD MATE	1	0	1
RADIO OFFICER	0	0	0
SUB TOTAL (LICENSED)	4	1	4
BOSUN	0	1	1
AB	6	0	5
DEU	0	0	1
SUB TOTAL (UN-LICENSED)	6	1	7
TOTAL – DECK DEPARTMENT	10	2	11
CHIEF ENGINEER	1	1	1
1 ST ASSISTANT ENGINEER	1	1	1
2 ND ASSISTANT ENGINEER	1	1	1
3 RD ASSISTANT ENGINEER	1	1	1
SUB TOTAL (LICENSED)	4	4	4
OILER	3	0	0
QMED	0	1	3

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GUDE	0	1	1
SUB TOTAL (UN-LICENSED)	3	1	4
TOTAL – ENGINE DEPARTMENT	7	6	8
CHIEF STEWARD	0	0	1
CHIEF COOK	0	1	1
UTILITY	0	0	2
TOTAL – STEWARD DEPARTMENT	0	1	4
GRAND TOTAL	17	9	23

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M. CREW PHASE-IN SCHEDULE

The M/V CAPE WRATH / CAPE WASHINGTON is a five (5) day activation vessel which is maintained in a Reduced Operating Status (ROS). At the time of notification to proceed crew call up will begin immediately as indicated in the Activation Schedule.

Dispatch Port Engineer (if not on site already), Assistant Port Engineer, and Activation Coordinator to site immediately.

Notify unions of anticipated manning requirements and where and when crew is to report to the vessel.

All travel arrangements are to be made in accordance with Federal Travel Regulation (FTR) guidelines.

Ships key personnel will be drawn from a select group of qualified officers who have sailed aboard the Ship Manager's commercial vessels and other MARAD vessels.

Ship's crew begins reporting on board at +24 hours as per Activation Schedule. Crewing and travel arrangements are made through the Ship Manager's Crewing Coordinator. Room assignments will be designated by the Master / Chief Mate, room keys are issued and watches assigned.

- a) If hotel services are available aboard vessel, the crew will remain on board.
- b) In the event hotel services are not yet available, the crew will be accommodated in a local hotel. Arrangements are to be made through the local agent under FTR guidelines. Master is to assign watches and travel arrangements are to be made for transporting crewmembers to and from the vessel for each watch change.
- c) To control costs, vehicle rentals will be limited to two (2) vans for the officers and crew and one (1) rental car for the Captain and Chief Engineer and one (1) rental for the Port Engineer.

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**N. PORT ENGINEER'S AND
PORT CAPTAIN'S DUTIES**

Although the activation of Cape Wrath and Cape Washington requires a group effort of Corporate Departments and Crewing, Port Engineer and Staff and Ship's Crew, some tasks are indigenous to certain individuals. The following is a partial listing of "Key Events" that are the responsibility of the person or group indicated:

Lead Port Engineer

As the "Activation Coordinator and CLS on-scene representative, the Group/Lead Port Engineer has the most demanding task of all activation "Key Personnel". The lead Port Engineer has overall charge of the activation team and interfaces with the MARAD COTR, CLS Director of Engineering and the Director, Vessel Operations. The Lead Port Engineer is responsible for ensuring that all activation items are successfully completed for a timely and economic vessel activation. In addition to identification and correction of additional activation plan problems and requirements, specific activation checkpoints that fall under his purview include, but are not limited to:

1. Upon notice of activation a meeting is schedule on the vessel as soon as all participants are present. In the interim the ROS crew commences the activation procedure. This meeting includes CLS Site Activation Team led by the Port Engineer, the MARAD Surveyor, regulatory body representatives, and senior crew members. The team reviews the activation plan, and MARS DSNs (if any repairs pending) and SRV file to at the initial activation meeting to addresses the following issues:
 - a. Receive "Notice to Activate" from the CLS Office, notify the ROS Crew and Regulatory Bodies.
 - b. Review activation plans and specifications, include identification of those items, if any, which is subcontracted or accomplished off hull.
 - c. Review the MARTS printout to ensure all outstanding requirements are identified and addressed.
 - d. Review all applicable regulatory requirements to ensure that all documentation and certification necessary to sail the vessel is obtained.
 - e. Review major project milestones such as changeover to ship's electrical power, cargo gear testing, dock and sea trials.

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- f. Briefing on the phase-in of ship's force and their role in supporting system start - ups and regulatory inspections.
 - g. Review contractual requirements with Contract Administrator.
 - h. Establish work schedules and assign individual duties and responsibilities for each shift.
2. After this initial meeting, maintain communications at all levels by:
- a. Conducting the status meeting at the start of each shift to review the progress of the activation and any problem areas that could impact completion. Develop contingency plans if required.
 - b. Submitting a daily Port Engineer's log to the CLS Director, Vessel Operations and Director of Engineering. Submit daily SITREP to the CLS Director, Vessel Operations for dissemination to MARAD Region and HQ. The SITREP includes progress of scheduled work including main engine testing, SSDG and evaporator light-off, shifting to vessel's own power, vessel habitability, dock and sea trials, etc. In addition to activation milestones, the daily SITREP reports any significant events such as changes in the proposed schedule, USCG 835 deficiency notices, ABS recommendations, etc.
3. Members of the activation team usually work a 12 - hour shift with overlaps to ensure 24 - hour coverage and time to review events on the off shift for the incoming team member. Generally the shifts are broken up in the following manner:

Lead Port Engineer	0600 to 1900
Assistant Port Engineer	1800 to 0700 (if provided)
Administrative Assistant	0800 to 2000 (if provided)

However, depending on the progress of critical path items such as the incoming crew becoming familiar with the vessel and the activation plan, the Lead Port Engineer may have to amend the shift schedule. At a minimum there must be a person with signature authority (COTR or ACOTR) onboard at all times along with a qualified member of both the deck and engine department.

4. The Lead Port Engineer is the designated CLS COTR and the Assistant Port Engineer is designated the ACOTR. Generally, all emergent work issues are handled by the Lead Port Engineer. However, it may be necessary for the Assistant Port Engineer to initiate/approve

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emergent work issues in the absence of the Lead Port Engineer in order not to delay activation progress. In this case, the party approving the additional work updates the Change Order file, which remains onboard or in the Port Engineer's office close by. In addition, all approved purchase order are discussed during the shift changeover meeting.

5. Coordination with the CLS Crewing Coordinator on the arrival and phasing in of the ship's crew.
6. Coordinate with Master/Electronic Technician and oversee repairs/testing of all deck - associated work items including cargo and deck gear, tanks, navigation, and radio equipment, and life saving equipment.
7. Attend the vessel's sea trial and witness testing of all main and auxiliary machinery. When the vessel is deemed fully operational and able to perform unrestricted operations, vessel is then tendered to MSC usually by the on - site MARAD surveyor. The CLS Director of Vessel Operations and Director of Engineering must be advised of the date and time at which the vessel is tendered to MSC.
8. A "Quick Look Report" will be submitted to the Director of Vessel Operations within 24 hours of completion of the activation. This report contains the following:
 - a. Activation history and milestones, including times and dates
 - b. General condition of the vessel prior to activation
 - c. Technical problems encountered during the activation and actions taken to correct such problems
 - d. A listing of any outstanding repairs, USCG 835 deficiencies, or ABS requirements

This report is then reviewed by the Director of Vessel Operations, who submits it MARAD within 48 hours after completion of the activation.

9. An "After Action Report" will be submitted to the Director of Vessel Operations within 8 days after completion of the activation. This report expands on the issues covered in the "Quick Look Report" and also includes a detailed cost summary as well as observations on the performance of the activation contractor and facility. The Director Vessel Operations reviews this report and forwards it to MARAD within 10 days after returning to Phase IV.

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Assistant Port Engineer (if assigned)

The Assistant Port Engineer normally works the evening/night shift. The Assistant Port Engineer reports directly to the Lead Port Engineer and is responsible for the following:

1. Oversee the activation processes during the 1800 - 0700 shift.
2. Ensure time line of key events are met to ensure the regulatory bodies inspections and test day shifts schedules are met.
3. Coordinate with Master / C/M to familiarize the senior deck officers upon their arrival on the activation plan and assignment of work items.
4. Monitoring of vessel storing once the auxiliary systems are running and provision areas have been prepared.
5. Ensure that all safety requirements are met and contingency plans are in effect during vessel bunkering by following the approved FO Transfer and Bunkering procedures (attached).
6. Working with the Electronic Specialist and the vessel's Chief Mate / Second Mate to ensure that all communication equipment is tested and functioning properly in accordance with FCC regulations. Any equipment deficiencies are reported immediately to the Lead Port Engineer for correction or contingency actions.
7. Ensure navigational charts and publications are on board and up to date.
8. Attend vessel sea-trial and coordinate with Lead Port Engineer and MARAD COTR speed trials and maneuvering tests.
9. Maintain night shift turn over notes that are passed to the Lead Port Engineer at 0600 each morning.

Port Captain

The CLS does not use Port Captain services in MARAD activations.

O. OFFICER AND CREW DUTIES

MASTER

Ultimate responsibility for the safe and proper operation of the vessel rests with the Master. He must ensure that his Ship is fully ready for safe operation prior to accomplishing Dock Trials, Sea Trials or Underway Operations. To that end, CLS has advised our Masters to work with and report activation progress and any problems to the attending Port Engineer.

In addition to such other duties required by his License and commission, the incoming Master shall address the following specific areas:

1. As soon as prudent after reporting onboard, the oncoming Master shall relieve the ROS Chief Engineer as the “Senior Officer Present” and take custody of the “Master’s Cash Account” funds, present. After changing the Master’s Safe Combination, he shall request whatever additional funding required (if any).
2. Sign on crew and prepare the ship’s papers/documents/clearances. Review Station Bill update and sign.
3. Review, and become familiar with CLS Activation Booklets. Ensure that all operations are in full compliance with those documents.
4. Inventory the “Administrative Cabinet” and request any items that may be missing be provided.
5. Review the Ship’s “Blue Book” (certification and inspection documents) and advise the attending Port Engineer of any actions required to ensure the remains in class and in an inspected status for the intended deployment periodicity.
6. Upon arrival of the 2nd Mate, ensure that he (she) accomplishes a complete inventory and update of Nautical Charts, Navigational Publications, Light Lists, Flags, Day Shapes, etc.
7. Review “Cargo-max” with the Chief Mate to ascertain that the Ship’s stability is satisfactory for the forthcoming Sea Trials and follow on voyage to the Bunkering Port and/or Load Port.
8. Ensure that each reporting Crew Member reviews the Ship indoctrination video and complete the ship familiarization and training check-lists.
9. Order tugs, pilots, linehandlers and vessel requirement through Port Engineer/Agent.
10. Direct outfitting of controlled equipage.

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CHIEF MATE – Medical Officer

The Chief Mate is the “Department Head” for Deck Department. As such, he is in charge of Deck functions and Cargo related items. In addition he/she also serves as the Medical Officer

The Chief Mate will administer the Deck Department and supervise essential repairs. Additionally, he will inform the attending Port Engineer and the Master of any possible obstacles that may need additional assistance.

In conjunction with the attending Port Engineer, Master, and CLS Purchasing Department, the Chief Mate shall ensure that sufficient Deck stores, consumables, Paints, etc. are on hand for the intended voyage.

All Deck Department machinery and equipment testing shall be accomplished under the Chief Mate’s authority. He is also charged with the responsibility to conduct tests and demonstrate equipment as required by the ABS and USCG (if required) required for the activation.

Specific activation checkpoints that fall under the purview of the Chief Mate include, but are not limited to:

1. Check deck machinery - anchors, mooring winches, capstans.
2. Check cargo gear - review certificates/material as required.
3. Work with chief steward to achieve vessel cleanliness.
4. Receive/inventory - deck stores.
5. Recieve/inventory - medical gear.
6. Assume custody - issuance of GFE (not including spare parts).
7. Review lashing gear and quantities.
8. Manage / check CARGO-MAX program.
9. Check mooring and report to Master.
10. Overall supervision of outfitting lifeboats, life jackets, fire fighting, damage control and safety gear.

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11. Manage Deck Dept. to outfit place fire fighting/safety equipment in position.

SECOND MATE - Navigation Officer

1. Inventory and check charts, publications required for sea trial and voyage.
2. Update through Notice to Mariners required charts.
3. Outfit and secure bridge with GFE navigational material.
4. All navigational lights, sound signals, day shapes checked for good condition.
5. Set - up vessels - chronometers, LORAN, GPS, Radars/ARPAs, RDF□s, Sat - Nav.
6. Set up deck and navigational equipment logs.

THIRD MATE - Safety Officer.

1. Directly oversees and reports to Chief Mate in the safety items on ship, specifically:
 - a. Outfitting life boats - all material dated, cleansed and secured.
 - b. Life jackets/Survival suits - proper lights/whistles in good condition and sufficient quantity in accordance with the COI.
 - c. Pyrotechnics - all in date.
2. Set up safety log/training logs.
3. Check vessel fire fighting equipment:
 - a. Fire stations
 - b. Fixed installation stations
 - c. Emergency gear

CHIEF ENGINEER

The Chief Engineer is required to ensure that the vessel's machinery plant, and other equipment (such as HVAC systems, OWS/OWM, MSD's, Steering Systems, etc.) for which he is responsible, is fully operational and ready for sustained operation. The Chief Engineer will administer the Engine

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Department and supervise essential repairs.

Additionally, he will inform the attending Port Engineer and the Master of any possible obstacles that may need additional assistance.

In conjunction with the attending Port Engineer, Master, and CLS Purchasing Department, the Chief Engineer shall ensure that sufficient engineering stores, consumables, lubricating oils, etc. are on hand for the intended voyage. Similarly, the Chief Engineer is responsible for loading bunkers (if required).

All machinery and equipment testing shall be accomplished under the Chief Engineer's authority. He is also charged with the responsibility to conduct tests and demonstrate equipment as required by the ABS and USCG required for the activation.

Specific activation checkpoints that fall under the purview of the Chief Engineer include, but are not limited to:

1. As soon as possible after "Notice to Activate", review the RRF-MARTS "SRV" and "DSN" files and advise the Group/Lead Port Engineer of inspections required, and corrective work needed, to maintain the Ship in class with ABS and in an inspected status with USCG for the periodicity of the intended voyage.
2. As soon as possible after "Notice to Activate", review PC-SAL to ensure that no requisitions for essential spares are outstanding.
3. Review and update "Pre-Cut" requisitions for Engine Department and submit updated copies to the Group/Lead Port Engineer for submittal to the CLS Purchasing Department for procurement.
4. Inventory lubes, gases (refrigerants, oxygen, acetylene, etc.) and other supplies not included in the Engine Department "Pre-Cut" requisitions and submit PMRs needed to fill shortages.
5. Sound all bunker and DFM tanks and advise the Group/Lead Port Engineer of bunker requirements for the intended voyage.
6. Inventory and requisition sufficient Boiler and Distilling Plant Chemicals for the periodicity of the intended voyage.
7. Responsible to see that the assistant engineers assigned to sail the ROS crew vessel gain adequate knowledge of the machinery during activation to operate it safely when they required to take over. This knowledge will come from the instructions from the Chief Engineer or with discussion with the Technical Representatives that may be on board to

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activate machinery.

FIRST ASSISTANT ENGINEER

Oversees the readiness of the Engine room.

1. Oversees the Second and Third Engineers to see that they are available to the Lead Port Engineer for inspection of machinery if necessary.
2. The First Engineer will familiarize himself with the Main Engines.

SECOND ASSISTANT ENGINEER

Responsible for the transferring and purification of fuel oil.

1. Becomes familiar with the arrangement of bunker tanks and the means by which fuel is transferred from the storage tanks to the Settler Tanks.
2. Become familiar with the Ship Service Generators.

THIRD ASISTANT ENGINEER

Responsible for the Evaporators and Lube Oil Purifiers.

1. Becomes familiar with the arrangement of Lube Oil Storage and Transfer systems, including proper operation and maintenance of the Purifiers.
2. Becomes familiar with the Potable and Distilled water systems, and the proper operation and maintenance of the Evaporator. The tracing of the Potable and Distilled water Shore Connections to properly fill tanks are first priority.

Each new engineer will trace line as necessary, talk with the ROS crew and the technical representatives for machinery he/she is responsible for.

CHIEF STEWARD

The Chief Steward will administer the Steward Department and supervise essential outfitting and cleaning of Galley, Pantries, Dry and Refrigerated Store Rooms, Laundries, Accommodations and Public Spaces. Additionally, he will inform the attending Port Engineer and the Master of any possible obstacles that may need additional assistance.

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In conjunction with the attending Port Engineer, Master, and CLS Purchasing Department, the Chief Steward shall ensure that sufficient steward stores, consumables, food provisions, etc. are on hand for the intended voyage.

Specific activation checkpoints that fall under the purview of the Chief Steward include, but are not limited to:

1. Prepare and execute menus to provide healthy, attractive meals in sufficient quantities, considering daily food cost budgets. The menus shall be subject to review and approval by the Master.
2. Requisition, receiving and storing of all provisions, Steward Department stores and Steward Department consumables.
3. Cleaning and preparation of public and food preparation/messing Spaces, including: Staterooms, Laundry Rooms, Galley, Pantries, Dry and Refrigerated Store Rooms, Lounges and other Public Spaces.
4. Distribution of Bed Linens, Blankets, Towels, Pillows, toilet paper, soap, etc., to each Bunk.

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**P. BRIEFING AND TRAINING
OF CREW PROCEDURES**

The primary responsibility of the crew is to provide vessel readiness to support the RRF mission. Crew and senior officers assigned to CLS - RRF vessels receive initial orientation on duties from CLS Port Engineer. The vessel library is kept up to date with current copies of the regulatory publications, CFRs and vessel deck and engine operating manuals. The senior officers assigned to the vessel is also required to read MARAD Operational Management Manual and CLS Operational Manual.

The overall orientation / training goals and the lead individual designated by CLS to accomplish these goals are summarized below. Once the initial orientation is provided to the senior officers, they will continue the orientation process with relief and activation crew.

ORIENTATION TRAINING GOALS

ORIENTATION GOAL	CLS/POC	METHODOLOGY
1)Relationships-Responsibilities (CLS -MARAD- MSC)	Senior Port Engineer	Briefing i)MARAD OPS Manual ii)CLS OPS Manual iii)MSC-SOM
2)MARTS	Port Engineer	PC-Training CLS Presentation Continued Use
3)SAL (PC-SAL)	Port Engineer	Inventory Procedures PC-Training
4)Ship Particulars	Port Engineer	MARAD Deck Manual MARAD Engine Manual
5)Safety	CLS Director, Vessel Operations	CLS Video, MARAD Safety Videos

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CLS acknowledges that the contract administration and control will remain a MARAD Regional responsibility during the period of performance of the contract. There is no contractual relationship between CLS and MSC Area Commands or any other Navy Operational Commands. CLS obtains the necessary authorization from MARAD Regions prior to incurring any expenses.

CLS directly responds to MSC Area Command Staff inquiries pertaining to ship materials readiness, compliance with regulatory requirements, casualty correction plans and logistics support requirements. However keeps the MARAD Regional COTR advised of all such inquiries and responses.

After activation, depending on Navy operational requirements, MSC Area Commanders may transfer OPCON of the vessel to other Navy Operational Commanders.

RRF - MAINTENANCE AND REPAIR TRACKING SYSTEM (MARTS)

CLS is making full use of MARAD RRF - MARTS. Through the use of this tracking/reporting system, CLS RRF Program Office and ship's ROS officers monitor the maintenance and repair deficiencies, actions and requirements for the vessel during Phase IV.

The Port Engineer is also able to enter inspection deficiency and repair data while aboard ship during the sea trial, transition to lay-up and the deactivation. If possible, maintenance and repair data is sorted to provide machinery records for each major item of ship machinery; this is valuable in planning preventive maintenance and equipment-replacement actions.

THE PC BASED SHIPBOARD ALLOWANCE LIST (PC-SAL)

The PC Based Shipboard Allowance List (PC-SAL) is utilized by the assigned crewmembers. The senior licensed individuals are given custody of the PC-SAL and given orientation on its contents by the cognizant MARAD Representative or Port Engineer.

SAFETY

As has always been priority for CLS employees, all work performed on the vessel (in all phases) is performed in the safest, most seaman like manner. Several orientations are held yearly to inform the crew of all updated knowledge on the following areas:

1. Work Attire
2. HAZMAT
3. Benzene Awareness

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4. Tank Entry
5. MSDS Sheets
6. Petroleum Fuel Handling
7. Other Safety

These policies are provided onboard included in the Operation Manual. CLS also uses the ship safety meetings as a format for identification of problems and safety orientation for non-crew members.

SPECIAL REQUIREMENTS FOR UNIQUE SHIP FEATURES

The shipboard unique feature and their operations are outlined in the deck and engine operating manuals.

1. The operation of the stern ramps and associated stern door are covered in the deck operating manuals.
2. The operation of the internal ramp, ramp covers and water tight doors are covered in the deck operating manual as well individual equipment manual.
3. The specialized storage deck handling equipment is outlined in of the deck operating manual.

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Q. COST CONTROL PROCEDURES

Several factors influence activation costs including, but not limited to, competitive procurement methods and pricing, receipt of verification, monitoring and supporting documentation are monitored very closely by the responsible parties outlined in the table below. Contractors, tech reps and speciality repair contractors are monitored by the activation team to ensuring they are performing in accordance with their contract, and that they are not being held up, etc. Each member is required to give a daily accounting of their shift activities and a summary report.

CLS limit the use Chandlers, Vendors, Regulatory Agencies and other Subcontractors to the works exclusively require their attendance underscores our commitment to economy and efficiency. CLS Cost Control methodology limits subcontracting by ship chandlers, vendors and shipyards and focuses on in-house procurements of specialty services, supplies and outfitting in order to limit vendor material burdens.

CLS Purchasing Department obtains competitive quotes from rival vendors. Using comparison techniques, the company determines if the quoted product bids are commercially acceptable, non-collusive, reasonably priced and can be delivered in an acceptable timeframe. Purchase of stores and consumable is based on competitive quotes obtained prior to the activation, and held contingent to the ships activation. Quantities are adjusted to reflect the duration of the vessels mission/deployment

The Port Engineer and Activation Coordinator ensure that the required services and materials are procured and utilized in a cost- effective manner.

The crewing coordinator and travel agency will make every effort to ensure the vessel's crew is phased in according to plan at very cost effective travel costs.

Required bunkers, lube oils and gases are purchased at competitive rates and quantities established at the time of activation consistent with the vessel's mission.

The cost control and monitoring process is documented as noted in the activation estimate, outlined in the next section. The budget amount for each major cost category is documented and performance forecast in the estimate columns. Cost categories with significant estimated variances are investigated to determine the cause and potential corrective action. At the conclusion of the activation, each variance is analyzed to determine the cause, and corrective action taken for following activation.

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Cost control responsibility for the activation cost elements is as follows:

	TASK	CLS OFFICE	PORT ENGINEER	CONTRACTOR
1.	Contractors labor man-hours (Note 1)		X	X
2.	Material supplied by contractor.		X	
3.	Subcontractor to activation contractor (Note 2).		X	X
4.	Technical Representatives (Note 2).		X	X
5.	Speciality repair contractors (Note 2). Refrigeration and Air Conditioning, Electronics, Control Systems, Fire Detection Systems, etc.		X	X
6.	Bunkers.	X		
7.	Tugs and Pilots.	X		
8.	Lubricating oils.	X		
10.	Provisions.	X		
11.	Deck stores and engine stores.	X		
12.	Outfitting.	X		
13.	Crew/Crew overtime.	X	X	
14.	Medical.	X		
15.	Husbanding fee.	X		
16.	Communication.	X		

NOTES:

- (1) Port Engineer to assure contractor is manning as required, the contractor submits actuals by shift.
- (2) Port Engineer has prime responsibility for contractors/ reps.

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R. COST ESTIMATES

The Activation Estimate is based upon actual commitments/cost experience in activating these vessels. The estimate is prepared by the Port Engineer and is approved the RRF Program Director and Contract Administrator.

Revised activation estimate will be provided shortly after receipt of the activation notice, followed by actuals as data develops and provided when requested by MARAD.

The estimate is monitored against the authorized task order funding. Should a funding problem tend to develop, MARAD will immediately be notified.

Costs and commitments are collected by the estimate categories to insure accuracy and proper accounting.

ACTIVATION COST ESTIMATE		
a. Operating Crew		\$78,000.00
1 Salary & Benefits 8,000 x 6	\$58,000.00	
2 Transportation	\$5,000.00	
3 Overtime	\$15,000.00	
b. Technical Representatives		\$23,750.00
1 Control Automation	\$5,000.00	
2 Engine Analysis	\$11,500.00	
3 Thermography/Vibration Analysis	\$7,250.00	
c. Stores/Provisioning		\$19,600.00
1 Deck stores	\$4,500.00	
2 Engine Stores	\$8,400.00	
3 Medical Supplies	\$3,000.00	
4 Steward Stores	\$3,700.00	
d. Bunkers		\$0.00
1 Fuel Oil	\$0.00	
2 Diesel	\$0.00	
3 Lube Oil	\$0.00	
e. Industrial Assistance/ Miscellaneous		\$0.00
f. Port Charges		\$14,300.00

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1 Tugs Baltimore	\$3,200.00	
2 Pilots Baltimore	\$9,000.00	
3 Line Handlers-Bal	\$900.00	
4 Agents	\$1,200.00	
g. SM Per Diem		\$6,303.00
Activation 2 x1163	\$2,326	
Operation 3x938	\$2,814	
Deactivation 1x1163	\$1,163	
h. Deactivation Costs		\$5,900.00
1 Crew Transportation (16x250)	\$4,000.00	
2 Industrial Waste Disposal	\$1,400.00	
3 Laundry/Linen (over ROS)	\$500.00	
4 Reconnect Shorepower	\$0.00	
Estimate Total:		\$147,853.00

Note: Assistant Port Engineer wages will be additional if one assigned.

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S. USCG NOTIFICATION

CLS Senior Port Engineer from Jacksonville, or the vessel's assigned Port Engineer notifies the local Commanding Officer of the United States Coast Guard (USCG) Marine Safety Office (MSO) that the vessel is being activated. The initial notification is by phone within one (1) hour of the activation notice. This verbal notification is followed up immediately by a faxed transmission of the letter to the Marine Safety Office. Copies of the notification are given to CLS office and MARAD COTR.

In the event that the vessel is activated in a port other than one it has been out-ported in, both Marine Safety Offices are notified.

USCG NOTIFICATION

Draft Copy

Date:

Commanding Officer
Marine Safety Office
Place, State.

Dear Sir:

Pursuant to the terms and conditions described within the U.S. Maritime Administration's contract DTMA8C00006, Crowley Liner Services has been awarded Ready Reserve Force custody of the following USCG certified and documented vessel.

Ship Name	Official Number	Call Sign
M/V Cape Wrath	7826166	WRGJ
M/V Cape Washington	7826178	WRGH

The vessel will be activated at (location) starting from (date) as required by MARAD. Vessel's COI is valid until (date); however, you are requested to visit the vessel and make any inspections as deemed necessary.

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Should you have any further questions regarding activation plans and procedures, please contact me.

Sincerely,

Name

Title

copy to: file

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T. 180 DAY VOYAGE PREPARATION

During activation CLS prepares the activated vessel for sea trail and turns over to MSC-OPCON as required by MARAD. In activation, ship departments receive basic materials for the vessel to become fully operational and available within the activation specification and time line.

CLS has on file standard requisitions for 7, 90 and 180 days. These requisitions cover Deck, Engine and Steward requirements for the vessel and any special items unique to the vessel.

The bunkers are stemmed to 90% or maximum capacity prior to sailing as funding permits. Additional bunkers when on voyage are either requested through MSC or commercially bid to provide for smooth voyage scheduling and efficient port calls.

If a vessel is requested for 180-day operation, CLS takes immediate steps to prepare it for a 180 days voyage, and outfit it to the maximum allowable utility. A check-list of items that require particular attention follows:

180 DAY VOYAGE CHECK LIST

Crew sign 6 month articles (CLS standard "Articles of Agreement")

Order bunkers (90% capacity or as directed): follow Standard Procedures for Government stem or bid commercially.

Stemmed stores: food, long life dairy products, linens, cleaning products.

Engine stores - tools/outfitting items: lubricants, refrigerants, pipe and fittings for emergency repairs.

Deck stores - tools/safety/navigation/outfitting items, paints, grease, working line (manila, nylon), damage control, fire fighting equipment, Area - chart portfolio and current publications

Spares - inventory for 180 days through the SAL are requisitioned and ordered.

All regulatory items are addressed prior to or during the activation period including items for USCG or ABS that could be inspected and credited early. Other regulatory issues can be addressed during the 180-day voyage through the USCG international office and ABS offices worldwide. If the 180-day voyage and ports do not allow for a foreign re-inspection, CLS will request a waiver well in advance of any certificate expiry.

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CLS uses its agents worldwide and in conjunction with MSC port orders, replenish and husband the vessel to enable the vessel's continuous operations.

The cargo loadout is the basic function of the ship's mission. In an unusual or hazardous cargo situation, CLS PortEngineer discusses the loadout with the Master and follows up with MSC on any points that require clarification. In certain ammo loadouts, CLS may use a certified Cargo Surveyor who would report to CLS, but safeguards the interests of MSC and MARAD. MSC would be assured that the maximum cargo allowed is stored onboard and is stowed in full compliance with USCG regulations as well as good industry practice. MARAD, as ship owner, would be assured that its vessel is safely stowed and protected from damage to the best extent possible.

All cargo will be secured for the voyages in the safest manner available. Sufficient cargo lashing gear is requested and placed on board to allow for a variety of cargo evolutions while the vessel is ex-CONUS.

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U. STORING AND SUPPLYING

Stores requisitions are pre-prepared for vessel for Deck , Engine, Steward Subsistence and Steward Consumable Stores for the designated/required periods (i.e. 7, 90 or 180 days, etc.). The requisitions are periodically sent to selected suppliers in the appropriate geographic regions. The suppliers are requested to maintain the requisition packages on file in the event of an activation. In addition, the suppliers are required to do the following:

1. Commit in writing their desire to participate in the program.
2. Provide an estimated cost and delivery for each completed requisition.

NOTE: Securing Firm Fixed pricing for extended periods of time (more than six months) is impractical due to cost/market fluctuations within each storing/commodity group.

3. Advise of estimated fill rates for the supplied requisitions assuming an ROS-5 activation scenario.
4. Current supplier contact form to insure the most current names, phone and fax numbers for day and night in the event of an after-business hours activation.

Normal Bid Control procedures are followed to protect the solicited information.

A complete evaluation is then performed on all responsive and complete packages. This evaluation is ultimately utilized to develop an Activation Matrix for the geographic region. This matrix itemizes the primary as well as back-up suppliers for the various classifications of stores, such as Deck, Engine, Stewards items and Stationery. Fuel and lubricants priced current due to market conditions, and due to the ease in arranging within the time frame. Chemicals and welding supplies are supplied from contracted suppliers. These primary and secondary selections are predicated on overall competitiveness, dependability, quality of products and services, financial strength, in-house inventory levels and general reputation within the industry. CLS heavily weigh the historical data on each supplier as to their performance on past and present contracts and each supplier's ability to handle potential multiple activations. However, CLS will make every effort to competitively price these procurements within the time period of activation, the pre-pricing may then serve as another comparison.

When the pre-cut requisitions are priced for quotation, they are not converted to purchase orders until the vessel is activated. Upon "Notice to Activate," the suppliers would immediately be contacted at the phone/fax numbers listed on the Activation Matrix. The primary supplier is contacted first. In the event it cannot be reached in a reasonable period of time, then the backup supplier would be contacted. The suppliers would be instructed to select the appropriate requisitions from those already in their possession. Once an order is placed the requisitions are converted to purchase orders.

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A Purchase Order would be issued verbally and confirmed via a fax notification to proceed. The suppliers will be asked to immediately begin filling the orders to ensure the highest possible fill rate and delivery within the mandated activation time frame.

At this point, the Port Engineer and the Activation team will commence coordinating delivery, unloading and stowing activities at the vessel. In consideration of the large volume of the supplies that will be received and stored in a short period of time, CLS Purchasing Department will work with the supplier to ensure that deliveries are made expeditiously, starting at the earliest, within 36 hours, and complete at the latest, within 84 hours of “Notice to Activate”. With a 23-man crew for activation and deployment, the vessel may not have sufficient manpower to complete the task of receiving and storing within the time allotted. Therefore, if needed, CLS will arrange for commercial assistance to assist the Ship’s Crew in receiving and storing these supplies.

Once the product is delivered and accounted for onboard, the ship’s copy of the purchase orders are signed, dated and returned to CLS Purchasing Department, where the account payable collates, categorizes and compares these receipts to the vendor supplied invoices.

During and after activation CLS solicits feedback from the activation team to ensure more efficient and cost effective service in the future. CLS requires the activation end user to provide objective and valuable feedback on product quality, its adherence to requisition specification, adequacy of substitutes, and receipt of incorrect items.

The Chief Engineer, Chief Mate and Chief Steward will provide their respective departments in the storage of materials received.

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V. PROVISIONING VESSEL

Upon notification of the vessel's activation, CLS immediately puts the following procedures into action to ensure all necessary provisioning supplies are onboard the vessel.

1. The agent, vendor and vessel would be contacted and notified by fax of the vessel's storing instructions and arrangements.
2. Agent or vendor, as directed by the CLS Port Engineer, makes arrangements for labor and equipment, if required, to store the vessel.
3. To expedite the preparation of the galley, reefers and storerooms to receive stores, a requisition consisting of cleaners and cleaning equipment may be faxed to the agent for immediate assistance.
4. Once notified that reefers are operational, the seven (7) day requisition for provisions, consumables, and expendables are supplied. The seven (7) day vessel provisioning requisition is delivered in order to eliminate the confusion of taking on major stores at that time and to ensure the vessel's future activation status. In the event that the vessel would not be activated, cost of supplies would then be minimal.
 - a. Vessel is supplied with the activation provision and consumable/expendable requisitions for time period specified by MARAD at the vessel's loading dock.
 - b. If for any reason the vessel is not scheduled to go to a loading port within the seven (7) day storage period, arrangements are made to store the vessel with sufficient stores for the period of time required.
5. Major storing will be attended and supervised by the Assistant Port Steward and/or another designated Activation Coordinator.

W. REGULATORY APPROVALS

The M/V CAPE WRATH and the M/V CAPE WASHINGTON are in ROS 5 status. All regulatory inspections and certificates are kept up to date comparable to an operating vessel. Both vessels have valid COI and all valid certifications at all time to maintain the C1 or C2 status. Regulatory inspections are conducted at the due dates and any deficiencies discovered are corrected as soon as possible after discovery.

X. TENDERING VESSEL TO MSC

The M/V CAPE WRATH and the M/V CAPE WASHINGTON are in ROS 5, C1 or C2 status. In the Activation Schedule, pre-test of all machinery and equipment will be done on the first, second and third days of the activation. Repairs and replacements, if any, will also be accomplished as required during this time. Dock trials could commence as early as the third day completing on Day 4. After dock trials are completed to the satisfaction of the attending MARAD/MSC inspector(s), the vessel may proceed (see note) on sea trial, or will be tendered to the senior MSC representative by the MARAD surveyor. If a sea trial is required, on successful completion of sea trials, the vessel will be tendered to the MSC representative by the MARAD surveyor.

Note: ROS 5 vessels are required to complete a sea trial only if one had not been conducted in the preceding 12 months prior to MSC acceptance. Sea trials for ROS 5 vessels are conducted on every alternate years; however, due an regulatory dry-docking or other reasons, a sea trial may be conducted in less than the two year period stipulated.

ACTIVATION PLAN

**Y. MONITORING AND UPDATING
ACTIVATION PLAN**

The Ship Manager will update this plan as necessary.

Plan holders should notify the Ship Manager's Contracting Officer and / or Director, Vessel Operations when their after hours telephone number changes.

After adding new or removing old pages, the plan holder shall replace the List of Revisions page.

This plan will be updated within 30 days after the completion of activations. If there is no activation during a given year, the plan will be reviewed and updated on an annual basis.

Changes in the Ship Manager's personnel and duty schedule will be forwarded to all holders of the Activation Plan as they occur. Contractor and sub-contractor changes will be handled in a similar fashion.

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Z. MULTIPLE ACTIVATIONS

During a national emergency or large scale no-notice activation test, limited industrial resources impacting ship activations may cause MARAD Region Directors to direct Ship Managers to contract with specific activation facilities. Facility assignment will be guided by the latest edition of the MARAD Emergency Full Scale Activation Plan, and will consider other factors such as cost, individual shipyard capabilities and ongoing work.

The M/V CAPE WRATH and the M/V CAPE WASHINGTON would not be greatly affected by a large-scale activation of the Ready Reserve Force. Since these ships are in ROS 5, and are ready to sail in four (4) to five (5) days, the lack of shipyard availability or industrial assistance would not impact the Activation Milestone Schedule on these two ships.

Both the Cape ‘W’ class vessels can and would be activated simultaneously with minimum technical and industrial assistance from the current location. If limited assistance is available, it can be shared amongst the two vessels as required and directed by the Port Engineer. This is also made easier by the fact that both ships are in the same location.

The Ship Manager is required to supply the necessary Port Engineers, Assistant Port Engineers and other Activation Coordinators who will be drawn from our pool of qualified personnel available. (See Section H.)

Ship’s crew will be supplied through the maritime unions (AMO and SIU) with which the Ship Manager is affiliated.

In cases of large-scale activations, ABS and USCG inspections, if any, will have to be scheduled more carefully considering these agencies’ workload.

Due to material availability, the lowest price may not always be available from suppliers. Higher priced equivalents may have to be substituted.

ACTIVATION PLAN

AA. CONTRACT REQUIRED ATTACHMENTS

LIST AND LOCATION OF VESSEL KEYS:

All keys for Deck, Engine and Steward Departments are labeled and arranged in the Chief Mate's office. The complete key-list is with the Chief Mate.

MASTER'S SAFE COMBINATION:

Cape Washington and Cape Wrath are in ROS-5 status. The Master's Safe is being used by the Chief Engineer for protecting important documents.

Master's Safe combination is kept by the Chief Engineer, and also provided to CLS Office for safekeeping.

LIST AND EXPIRATION DATES OF VESSEL DOCUMENTS AND CERTIFICATES ONBOARD:

All vessel documents are located in "Blue Book" in the Master's safe. Current Certificate expiry dates are attached in Appendix 1.

Current expiration dates of all certificates are listed in the RRF-MARTS SRV file, and also a separate list of expiration of certification are made and provided to CLS.

ABS SURVEY STATUS REPORT:

The ABS Survey Status Report is printed from the ABS Safenet record available to both MARAD and CLS. A copy of the printout provided to the ship. Since it is a dynamic document, the copy is not attached. However, the vessel and the Port Engineer are provided with regular updates.

USCG PRE-INSPECTION PACKAGE (PIP):

This is also another dynamic document. The copy of the updated pre-inspection package is normally requested from USCG before COI Inspection, Activation or on an as needed basis. The current copy is with the Chief Engineer. However, an updated version will be requested by the attending CLS Port Engineer at the time of an activation.

CURRENT TANK SOUNDINGS FOR CAPE WASHINGTON/CAPE WRATH:

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It should be noted that Cape Washington and Cape Wrath are in ROS-5 status and soundings will not remain static throughout the periodicity of this document. Therefore, the soundings are provided to MARAD as part of Monthly Summary Report.

Cape Washington and Cape Wrath presently has IFO-180 loaded for Main Engines and MGO loaded as fuel for the Diesel Generators.

BUNKERS QUANTITY REQUIRED TO FILL THE VESSEL TO 98% CAPACITY:

Because the onboard inventory is varying, the amount of fuel required to fill the vessel to 90% capacity will vary at the time of activation. The following is germane considering the current soundings:

<u>Product</u>	<u>Current Quantity</u>		<u>Quantity at 98%</u>	<u>Difference</u>
IFO-180	1,303.0	tons	3,171.0 tons	1,868.0 tons
MGO	484.0	tons	1,346.0 tons	862.0 tons

DETAILED ITEMIZED LIST OF PROVISIONS REQUIRED FOR 7 DAYS, 90 DAYS AND 180 DAYS:

Pre-cut requisitions for Provisions, Steward Stores, Deck Stores, Engine Stores, Tools, Office Supplies, and Outfit Items for the 7 days, 90 days and 180 days requirement, are shown separately in Appendix 2.

The Estimated cost for these items is contained in the Activation Cost Estimate, which is attached in section.

STANDARD LETTERS AND FORMS TO BE USED DURING ACTIVATION:

MARAD has issued a Sitrep sheet in excel format replacing the older version Activation SITREPs. This revised Sitrep format will be used in all activations.

INSTRUCTIONS TO THE CREW REGARDING THE USE AND MANAGEMENT OF SPARE PARTS AND EQUIPMENT CHANCES:

The spares parts and equipment management usage during Phase IV and Phase “O” periods are accomplished in strict compliance with MARAD’s PC-SAL instructions. The crew is trained onboard for PC-SAL usage and the manual is filed in the Administrative Filing Cabinet.

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During Activation, CLS will make every effort not to utilize the onboard spare parts. The first choice will be to utilize the shore based supplies, to preserve onboard spare parts at the maximum levels. However, depending on the criticality and availability of the spare parts during activation onboard spare parts may be consumed as an alternative.

Equipment changes will be in accordance with MARAD's Configuration Change Request in the Logistic Manual and PC-SAL.

INVENTORING AND STOWING PROCEDURES:

Cape Washington and Cape Wrath have the 9-member ROS crew onboard. The crew phase-in is planned in such a way as to have sufficient manpower onboard for receiving stores. Considering the large volume of the supplies that shall be received and stored in a short duration of time, CLS will work with the supplier to make the deliveries starting at the earliest time possible, within 36 hours, and completing, within 96 hours. CLS will provide contract support the 23-man crew to complete the task of receiving and stowage.

Spare parts received will be stored as per the PC-SAL indicated location.

Deck Department Stores will be stowed, utilizing the Ship's Crew, as directed by Chief Mate.

Engine Department Stores will be stowed, utilizing the Ship's Crew, as directed by Chief Engineer.

Steward Department Stores will be stowed, utilizing the Ship's Crew, as directed by Chief Steward.

All Department Heads shall verify the delivery of items and pass the completion report to the Port Engineer, or the Master, to forward to CLS Purchasing Department in Jacksonville.

BUNKERING PROCEDURE:

If bunkers are required, they will be loaded in strict compliance with the onboard "Fuel Transfer Procedures" which have been approved by the USCG and carried out under the direct supervision of the Chief Engineer. Bunkering Procedures are in Appendix 3.

ACTIVATION PLAN

BB. EMERGENCY PLANS

MEETINGS WITH USCG, LOCAL POLICE AND FIRE DEPARTMENTS

Cape Washington and Cape Wrath face security and protection challenges not only particular to the location, but also peculiar to the ship. CLS holds formal meetings with the local police and fire departments at least semi-annually, and more often if required, to assure the government, the community and the crew that every precaution has been taken to safeguard and protect their property.

EMERGENCY PLANS:

Emergency plans, analogous to those presented in the Operations Plan, Fire, Hurricane, Hazardous Material Disposal, Oil Spill Containment, Solid Waste Disposal, Terrorism and Bomb Threats have been developed as part of CLS contract requirements with MARAD. Under constant revision, these dynamic plans require great cooperation and coordination. CLS continuously audits these plans and programs and incorporates the upgrades and changes into the current revised Activation Plan, on at least an annual basis.

These plans are individually discussed with the fire department, police department and USCG, and modifications to the existing procedures are discussed and incorporated in the respective Plans.

At the completion of these meetings, CLS Port Engineer will prepare a report describing the changes discussed and submit it to MARAD for review and funding to comply with.

In addition, the local fire department and police department are invited to visit the vessel to tour and study the vessel layout, fire plans and conduct exercises as required.

*Cape Washington
and
Cape Wrath*

ACTIVATION PLAN

January 2002

APPENDICES

APPENDIX 1

MV Cape Washington Certificate Chart

Certificate	Type	Issued	Expires
1 Certificate of Inspection	USCG	8-Mar-00	31-Jan-02
2 Certificate of Documentation	USCG	30-Jun-00	30-Jun-01
3 Statement of Voluntary Compliance for Oil Pollution Prevention	ABS	13-Apr-99	31-Aug-02
4 Supplement to Voluntary Compliance for Oil Pollution Prevention	ABS	13-Apr-99	N/A
5 International Oil Pollution Prevention Cert	USCG	5-Apr-94	5-Apr-99
6 Supplement to IOPP Certificate	USCG	5-Apr-94	N/A
7 Letter in lieu of COFR (Cert of Public Vessel Status)		22-Dec-93	N/A
8 Hazardous Materials Cert.	DOT	19-Jun-01	30-Jun-02
9 Hazardous Materials Cert.	DOT	1-Jun-97	30-Jun-98
10 Statement of Voluntary Compliance for Cargo Ship Construction	ABS	17-Aug-98	31-Aug-02
11 Statement of Voluntary Compliance for Cargo Ship Equipment	ABS	24-Mar-01	15-Apr-01
12 Record of Equipment for Compliance for Cargo Ship Equipment	ABS	18-Sep-99	N/A
13 Record of Approved Cargo Ship Safety Equipment	ABS	N/A	N/A
14 Safety Equipment Cert.	USCG	6-Mar-96	06-Mar-98
15 Record of Equipment to Equipment Certificate (Form E)	USCG	6-Mar-96	N/A
16 Tonnage Certificate	ABS	30-Sep-93	N/A
17 International Tonnage Cert.	ABS	22-Sep-93	N/A
18 Panama Canal Tonnage Cert.	Norway	2-Apr-83	31-Dec-84
19 Suez Canal Tonnage Cert.	Norway	8-Sep-82	NA
20 Classification Cert.	ABS	12-Jan-98	31-Aug-02
21 Hull Classification Cert.	ABS	20-Oct-94	N/A
22 Class. Cert. Shipboard Automatic and Remote-Control Systems	ABS	20-Oct-94	N/A
23 Machinery Classification Cert.	ABS	20-Oct-94	N/A
24 Load Line Cert.	ABS	23-Mar-01	20-Sep-01
25 Survey for Load Lines	ABS	5-Nov-93	N/A
26 Statement of Voluntary Compliance for Cargo Ship Radio (Form R)	ABS	16-Mar-01	03-Aug-02
27 Record of Equipment for the Statement of Voluntary Compliance...	ABS	16-Mar-01	N/A
28 Bridge to Bridge Radiotelephony Cert.	USA	17-Mar-01	17-Mar-02
29 Ship/Aircraft Radio Station License	FCC	2-Nov-93	02-Nov-98
30 E P I R B Certificate	NOAA	4-Oct-01	04-Oct-03
31 Shore Based Maintenance Agreement	Seacoast	1-Nov-00	01-Nov-01
32 Record of Cargo Ship Safety Radio Equipment	ABS	12-Apr-98	N/A
33 Deratting Exemption Cert.	USDA	15-Jun-01	15-Dec-01
34 Certificate of Sanitary Construction	USDA	22-Mar-94	N/A
35 Carbon Dioxide Type Fire Extinguishing System Cert.	USCG	15-Jul-93	15-Jul-98

Component Certificates

36 Certificat de Garante Cables D'Acier (For Life Boat)	NV BRIDON	6-Jul-93	N/A
37 Certificate of Compliance - Pilot Ladder	AL DON	28-Mar-94	N/A
38 Certificate of Compliance - Pilot Ladder	Coast Marine	5-Jan-95	N/A
39 Certificate of Compliance - Man Overboard Boat Wire (2 pcs)	Indusco	10-Feb-98	N/A
40 Certificate of Compliance - Fire Warping Wires	Indusco	31-Aug-98	N/A
41 Proof Loading Test Cert.	Banks Rigging	18-Jan-94	N/A
42 Certificates of Proof Load (4) - Life Raft Wire and Hooks	Various	24-Jun-96	N/A
43 Inflatable Life Raft Certicates (4)	Revere	2-Sep-01	2-Sep-02
44 Hammar Hydrostatic Release Cert	Van Bros	29-Sep-00	Sep-02
45 Proof Loading Test Cert. - Wire	Indusco	4-May-94	N/A
46 Cert of Exam & Test (Both Ramp W-2 Wires)	Bilco Wire	17-Jun-97	N/A
47 Cert of Test & Exam - Crane Rope	Bridon	5-Nov-95	N/A
48 Mill Test Cert	Hyung Jin	8-May-91	N/A
49 Test Cert of Wire Rope	Bridon	26-Jan-95	N/A
50 Cert of Test & Exam - Cranes or Hoists (2)	Claymore	14-Nov-95	N/A
51 Load Cert on Stores Cranes	ABS	14-Nov-95	N/A
52 Cert of Test & Exam - Gangway	Bridon	12-Nov-95	N/A
53 Cert of Proof Load - Accomodation Ladder Wires (2)	Dutest	10-Jun-96	N/A
54 Cert of Proof Load - Accomodation Ladder Wires	Lloyd's	27-Mar-96	N/A
55 Survey Report - (1) Harding Safety Freefall Lifeboat Repair	ABS	8-Dec-99	N/A
56 Cert of Compass Adjustments	Atlantic Compass	27-Mar-94	N/A
57 Stability Letter (Increased Freeboard Assign Ltr 3/22/01attached)	USCG	20-Mar-01	N/A
58 Obsolete Stability Letter and Stability Plan Review	USCG	25-Mar-94	N/A
59 Cert of Anchor Test - (1) Stockless AC 14 anchor / 12000 KG	ABS	27-Feb-91	N/A
60 Cert of Anchor Test - (1) Stockless AC 14 anchor / 12060 KG	ABS	29-Apr-96	N/A
61 Cert of Anchor Test - Various	ABS	12-Sep-96	N/A
62 Cert of Anchor Test Various	ABS	12-Sep-96	N/A
63 Cert of Anchor Test Various	ABS	1-May-96	N/A
64 Equipment Cert - Chain Load	ABS	8-Nov-95	N/A
65 Equipment Cert - Chain Load	ABS	1-Mar-93	N/A
66 Ltr- Withdrawal of Class of Vessel	DNV	3-May-94	N/A
67 Ltr- Award of Official Name, Number, Etc.	USCG	14-Apr-93	N/A
68 Ltr - One Year Drydock Extension Request & Reply	USCG	2-Feb-96	N/A

MV Cape Wrath Certificate Chart

Certificate	Type	Issued	Expires
1 Certificate of Inspection	USCG	8-Mar-00	31-Jan-02
2 Certificate of Documentation	USCG	30-Jun-00	30-Jun-01
3 Statement of Voluntary Compliance for Oil Pollution Prevention	ABS	30-Apr-99	31-May-02
4 Supplement to Voluntary Compliance for Oil Pollution Prevention	ABS	30-Apr-99	N/A
5 Letter in lieu of C O F R (Certificate of Public Vessel Status)		22-Dec-93	N/A
6 Hazardous Materials Cert.	DOT	13-Sep-95	30-Jun-96
7 Hazardous Materials Cert.	DOT	15-May-96	30-Jun-97
8 Statement of Voluntary Compliance for Cargo Ship Construction	ABS	9-Mar-98	31-Jan-02
9 Statement of Voluntary Compliance for Cargo Ship Equipment	ABS	30-Apr-99	30-Apr-01
10 Record of Equipment for Compliance for Cargo Ship Equipment	ABS	30-Apr-99	N/A
11 Record of Approved Cargo Ship Safety Equipment	ABS	29-Apr-99	N/A
12 Safety Equipment Cert.	USCG	6-Mar-96	06-Mar-98
13 Record of Equipment to Equipment Certificate (Form E)	USCG	6-Mar-96	N/A
14 Tonnage Certificate	ABS	30-Sep-93	N/A
15 International Tonnage Cert.	ABS	30-Aug-93	N/A
16 Panama Canal Tonnage Cert.	Norway	14-May-82	31-Dec-84
17 Suez Canal Tonnage Cert.	Norway	29-Apr-82	NA
18 Classification Cert.	ABS	10-Jul-98	31-May-02
19 Hull Classification Cert.	ABS	20-Oct-94	N/A
20 Class. Cert. Shipboard Automatic and Remote-Control Systems	ABS	20-Oct-94	N/A
21 Machinery Classification Cert.	ABS	20-Oct-94	N/A
22 Load Line Cert.	ABS	18-Apr-00	18-Oct-00
23 Survey for Load Lines	ABS	25-Feb-94	N/A
24 Interim Machinery Cert	ABS	15-Oct-93	N/A
25 Certificate for Air Compressor	DNV	8-May-96	NA
26 Statement of Voluntary Compliance for Cargo Ship Radio	ABS	27-Mar-00	27-Mar-01
27 Safety Radiotelegraphy Cert.	FCC	19-Jan-95	19-Jan-96
28 Bridge to Bridge Radiotelephony Cert.	USA	27-Mar-00	27-Mar-01
29 Ship/Aircraft Radio Station License	FCC	2-Nov-93	02-Nov-98
30 E P I R B Certificate	NOAA	12-Dec-97	12-Dec-99
31 Shore Based Maintenance Agreement	Seacoast	1-Nov-00	01-Nov-01
32 Record of Equipment for Voluntary Compliance for Cargo Ship Radio	ABS	29-Mar-99	N/A
33 Deratting Exemption Cert.	USDA	31-Jan-01	31-Jul-01
34 Certificate of Inspection - Medical Chest	MAS	3-Feb-94	N/A
35 Certificate of Sanitary Construction	USDA	28-Feb-94	N/A
36 Random Drug Testing Cert.	AMS	25-Mar-98	N/A

APPENDIX 2

SHIPS 7-DAY CONSUMABLE LIST

DEPARTMENT			UOM	DESCRIPTION	ITEM_ID
Deck	Engine	Steward			

SOAPS, CLEANERS AND CLEANSERS

8	8		PAIL	DEGREASER (J) SOLVENT 140-SX-90 (SELIG 218711) 5 GALS PER	JE38 4006 40
1	1	2	CS	BLEACH (J) LIQUID (SELIG 273207) 4/1 GAL PER CASE	JE10 4004 40
	2		CS	CLEANER (J) DRAIN FORMULA-0 98 (SELIG 217709) 1 DZ/ 20 OZ	JE30 0023 40
		1	CS	CLEANER (J) FLOOR LIQUID-NEUTRO-JEL (SELIG 094507) 4/1 GAL	JE30 0024 40
			PAIL	CLEANER (J) FLOOR LIQUID-NEUTRO-JEL (SELIG 094511) 5 GAL	JE30 0021 40
		2	CS	CLEANER (J) GERMICIDIAL GERMAWAY (SELIG 301002) 12/ 1 QT	JE10 0006 40
1		2	CS	CLEANER (J) GLASS GLASHINE (SELIG 209403) 12/1 QT BTLS P	JE30 4009 40
1			CS	CLEANER (J) HAND SOAP GABE'S GRIT (SELIG 254070) 9/2500 M	JE62 0003 40
1	2		CS	CLEANER (J)HAND W/GRT ORANGE RUFFY (SELIG 254970) 9/250	JE62 4007 40
1		2	CS	CLEANER (J) PINE PINETEX (SELIG 295007) 4/1 GALS PER CASE	JE30 4012 40
		3	CS	CLEANER (J) SURFACE SPRAY GOSH (SELIG 209202) 12/1 QT C	JE30 4010 40
		2	CS	CLEANER (J)ALL SURFACE,CREME CLEANSER, DISINFECTANT,S	JE30 0022 40
		1	CS	DEGREASER (J) CLEAR CHOICE 5 GALS PER PAIL	CC60 4002 40
			PAIL	DEGREASER (J) CLEANER, CLEAR-CHOICE (SELIG 213511/PAIL	CC60 4004 40
		1	CS	CLEANER (J) SOLVENT ZONE DEFENSE (SELIG 049509) 1 DZ CA	CC60 0080 40
		1	PAIL	DETERGENT (J) LAUNDRY SNO-WHITE (SELIG 288203) 45 LBS PE	JE38 4010 40
		1	CS	DETERGENT (J) LAUNDRY SNO-WHITE (SELIG 475618) 4/10LB PA	JE38 4020 40
			EA	DISPENSER SOAP (J) HAND IRON MAN (SELG 508105)	HG15 0002 40
1	1	2	CS	SOAP (J) HAND LAVA 48/CS	JE62 4002 40
		1	CS	POLISH (J) STNLS STEEL,SELCO-SHINE (SELIG 020309)1 DZ CAN	JE14 0005 40
2	2	4	EA	SPRAYER (J) SOLVENT RESISTENT QT BOTTLE	JE54 4020 40
		2	CS	STRIPPER (J) WAX RE-MOV (SELIG 089807) 4/1 GALS PER CASE	JE30 4013 40
			CS	WAX (J) FLOOR LIQUID NJ-FINISH (SELIG 094207) 4/1 GALS PER	JE76 4001 40
		1	PAIL	WAX (J) FLOOR LIQUID NJ FINISH (SELIG 094213) 5 GALS PER D	JE76 4002 40

CLEANING AND MAINTENANCE BRUSHES AND MOPS

4	1		EA	BROOM (J) GARAGE 36" W/O THRD.HDL. #1107-36	JE18 4004 40
			EA	BROOM (J) STREET 16" W/O HANDLE PALMYRA	JE18 4005 40
3			EA	BROOM (J) WHISK 9" #70031	JE18 4006 40
3	1		EA	BROOM (J) CORN HEAVY DUTY	JE18 4001 40

SHIPS 7-DAY CONSUMABLE LIST

DEPARTMENT			UOM	DESCRIPTION	ITEM_ID
Deck	Engine	Steward			
		2	EA	BROOM (J) PUSH 18" W/HANDLE FINE BRISTLE	JE18 4002 40
			BX	BRUSH (J) ACID 144/BX	JE22 4000 40
		2	EA	BRUSH (J) HAND SCRUB PLASTIC 4" X 12"	JE22 4001 40
2			EA	BRUSH (J) TURKS HEAD 4 1/2 DIA MAGNOLIA #1429 WITH THREA	JE22 4003 40
4	2	4	EA	BRUSH (J) COUNTER DUSTER FOXTAIL #208-8	JE22 4004 40
			EA	BRUSH (J) DECK 9" HOL. PALMYRA #610	JE22 4005 40
			EA	BRUSH (J) HAND SCRUB 8" #598	JE22 4006 40
		12	EA	BRUSH (J) SANITARY 20" WOOD HANDLE	JE22 4008 40
2	2		EA	BRUSH (J) STEEL WIRE 3 X 19 ROW BH	JE22 4009 40
2	2		EA	BRUSH (J) STEEL WIRE 4 X 16 ROW SHOE HDL #114	JE22 4010 40
	2		EA	BRUSH (J) WIRE SCRATCH SHOE HANDLE BRASS	JE22 4015 40
		2	EA	PADS (J) BUFFING RED 16"	AB40 4000 40
			EA	BROOM (J) FLOOR 24" TAMPICO	JE18 4007 40
1	1		EA	HANDLE (J) MOP SPRING TYPE	JE50 4000 40
1			EA	HANDLE (J) WOOD 54" TAPERED	JE18 4009 40
1	2		EA	HANDLE (J) WOOD 54" THREADED WITH METAL TIP	JE18 4010 40
			EA	MOP (J) YACHT 16 OZ. W/HANDLE	JE50 4005 40
			EA	MOP (J) YACHT 20 OZ. W/HANDLE	JE50 4006 40
			EA	MOP (J) YACHT 24 OZ. W/HANDLE	JE50 4007 40
3	4	10	EA	MOPHEAD (J) 32 OZ. COTTON	JE50 4004 40
			EA	MOPHEAD (J) 16 OZ. COTTON	JE50 4001 40
			EA	MOPHEAD (J) 20 OZ. COTTON	JE50 4002 40
			EA	MOPHEAD (J) 24 OZ. COTTON	JE50 4003 40
			EA	PADS (J) POLISHING WHITE 16"	AB25 4000 40
1	1	2	BX	PADS (J) SCOTCH BRITE 3M 10 PADS/BX.	AB40 4001 40
1	1	2	EA	BRUSH (J) SCRUB UTILITY LONG HANDLE #417OSBORN	JE22 4012 40
		2	EA	BRUSH (J) SCRUB UTILITY SHORT HANDLE OSBORN 413	JE22 4013 40
		2	EA	PADS (J) STRIPPING BLACK 16"	AB40 4002 40
			EA	BRUSH (J) WIRE SCRATCH SHOE HANDLE STAINLESS STEEL	JE22 4016 40
		2	EA	BRUSH (J) WIRE SCRATCH CURVED HANDLE STAINLESS STEEL	JE22 4017 40

SHIPS 7-DAY CONSUMABLE LIST

DEPARTMENT			UOM	DESCRIPTION	ITEM_ID
Deck	Engine	Steward			

CLEANING AND MAINTENANCE SUPPLIES

8	4		EA	ABSORBENT (J) 50# BAG AP-SORBANT SELIG (SELIG 117605) 50	AS50 0010 40
			CS	FILTER (J) AIR 16 X 25 X 1 12/BX	FI10 4001 40
	1		CS	FILTER (J) AIR 18 X 25 X 1 12/BX	FI10 4002 40
			EA	FILTER (J) AIR DISPOSABLE 16 X 20 X 1	FI10 4000 40
1	1		EA	GUN (J) CLEANING BINKS 140B	TL25 4000 40
2	1	2	EA	BUCKET (J) 10 QT RUBBERMAID 2963	JE26 4001 40
			EA	BUCKET (J) GALVANIZED 14 QT.	JE26 4002 40
2	2	2	EA	BUCKET (J) MOP 14 QT W/WRINGER	JE26 4003 40
			EA	BUCKET (J) MOP 26 QT RUBBERMAID #6113	JE26 4007 40
			EA	BUCKET (J) MOP 35 QT RUBBERMAID	JE26 4008 40
			EA	BUCKET (J) PLASTIC 14 QT #2614	JE26 4005 40
			EA	PAN (J) DUST METAL	JE46 4001 40
3	2	2	EA	PAN (J) DUST RUBBERMAID	JE46 4002 40
2			EA	HOSE (J) GARDEN HVY DUTY 3/4" 100 FT. BLACK RUBBER GOOD	PH49 4000 40
		1	EA	HOSE (J) GARDEN HVY DUTY 3/4" 50 FT. BLACK RUBBER GOOD	PH49 4001 40
	1		RL	FILTER ROLL (J) UTILITY GENERATOR TURBO GLASS/POLYESTER	FI10 4003 40
3	3		EA	WASHER (J) HOSE 3/4"	FA60 4000 40
			CS	FILTER (J) AIR INVERTER 16 X 18 X 1 12/BX	FI10 4004 40
			CS	FILTER (J) AIR INVERTER 16 X 20 X 1 12/BX	FI10 4005 40
			RL	FILTER (J) AIR M.E. TURBO MATERIAL GLASS	FI10 4006 40
			BG	ABRASIVE (J) M.E. TURBO WALNUT SHELLS SIZE 12/20 MEDIUM	AB15 4002 40
1		1	EA	MAT (J) CARPET 24" X 36" SHORT PILE DARK COLOR	JE99 4004 40
		1	EA	MAT (J) CARPET 16" X 27"	JE99 4003 40
2		1	EA	MAT (J) CARPET 36" X 60" SHORT PILE DARK COLOR	JE99 4005 40
	4		EA	MAT (J) COCOA CCL #2 16" X 27"	JE99 4001 40
2	1	1	EA	NOZZLE (J) HOSE PISTOL GRIP 3/4"	HG45 4000 40
5			EA	ABSORBENT (J) PADS OIL #200 T151 200/BDL 3/16" THICK	AS55 4001 40
1	1	1	RL	PAPER (J) BROWN ROLLS FOR FLOOR 36" X 250'	JE54 4003 40
2	3	1	BX	RAGS (J) MARINE COLOR 100% COTTON WIPING, 50# CT. MIX	JE58 4000 40

SHIPS 7-DAY CONSUMABLE LIST

DEPARTMENT			UOM	DESCRIPTION	ITEM_ID
Deck	Engine	Steward			
2	1		EA	SCOOP (J) PLASTIC FLAT BOTTOM 2 QT.	JE99 4002 40
1			EA	SHOVEL (J) GRAIN/HOG 14" X 17" PLASTIC GRAINGER PN 3Z224	TL25 4031 40
			EA	SHOVEL (J) HAND GALV. 18" O.A.	TL25 4001 40
			EA	SHOVEL (J) SQUARE POINT "D" HANDLE	TL25 4002 40
			EA	SPONGE (J) SCRUBBING HVY DUTY 6"X4"X2"	JE58 4002 40
1	1	1	EA	SQUEEGEE (J) DECK HD 24" GRAINGER # 3A3337	JE22 4023 40
1			EA	SQUEEGEE (J) WINDOW 12"	JE22 4019 40
			EA	SQUEEGEE (J) WINDOW 18"	JE22 4020 40
2	2	2	EA	CAN (J) TRASH HVY DTY 32 GAL RUBBERMAID #3632	CS45 4003 40
2		1	EA	CAN (J) TRASH HVY DTY 55 GAL RUBBERMAID #2655 GRAY	CS45 4004 40
2		1	EA	CAN (J) TRASH HVY DTY 55 GAL RUBBERMAID #2655 YELLOW	CS45 4005 40
			EA	CAN (J) TRASH ROOM SIZE 28 QT RUBBERMAID	CS45 4006 40

PAPER AND PLASTIC SUPPLIES

			C	BAG (J) PLASTIC ZIP-LOCK 3" X 5" 4MIL WITH WHITE WRITE-ON	RS18 4004 40
			C	BAG (J) PLASTIC ZIP-LOCK 4" X 6" 4 MIL WITH WHITE WRITE-ON	RS18 4005 40
			C	BAG (J) PLASTIC ZIP-LOCK 6" X 9" 4 MIL WITH WHITE WRITE-ON	RS18 4008 40
			C	BAG (J) PLASTIC ZIP-LOCK 8" X 12" 4 MIL WITH WHITE WRITE-ON	RS18 4009 40
1	1	1	CS	BAG (J) GARBAGE 60 GAL BK60 22 X 16 X 58 1.2 MIL	RS18 4010 40
		1	CS	BAG (J) PLASTIC LINER 5 GAL 500/CS	RS18 4000 40
			CS	BAG (J) PLASTIC 30 GAL 250/CS (1.5 MIL) MEDIUM WEIGHT	RS18 4001 40
			CS	BAG (J) PLASTIC 55 GAL HEAVY WEIGHT	RS18 4002 40
2	2	6	CS	BAG (J) PAPER REFUSE 30 GAL 50/PK PAPER	RS18 4003 40
			CS	WIPERS (J) PAPER SCOTT 5700	JE54 4000 40
	1		RL	SHEETING (J) PLASTIC 4 MIL 36" X 100'	HG75 4001 40
			PK	TAGS (J) MANILA W/WIRE TIES 2.5" X 4.5" 250/PK	OS66 4001 40
		1	CS	TISSUE (J) TOILET 96'S	JE70 4000 40
		1	CS	TOWELS (J) PAPER ROLL INDUST STRENGTH YELLOW BIRCH P	JE54 4004 40
	1	3	CS	TOWELS (J) PAPER ROLLS 30/CS	JE54 4001 40
	1	1	CS	TOWELS (J) PAPER SINGLEFOLD 15/PKG 250/CS	JE54 4002 40

SHIPS 7-DAY CONSUMABLE LIST

DEPARTMENT			UOM	DESCRIPTION	ITEM_ID
Deck	Engine	Steward			
<i>PAINT BRUSHES AND ROLLERS</i>					
1			EA	BRUSH (J) ROUND MARKING 1/2" DIA. CORONA	PS10 4000 40
1			EA	BRUSH (J) ROUND STENCIL 1" DIA. CORONA	PS10 4001 40
			EA	BRUSH (J) ACID 3/8"	PS10 4003 40
5			EA	BRUSH (J) BENT WOOD HANDLE 1" CORONA	PS10 4004 40
			EA	BRUSH (J) BENT WOOD HANDLE 1-1/2" CORONA	PS10 4005 40
5	4		EA	BRUSH (J) BENT WOOD HANDLE 2" CORONA	PS10 4006 40
			EA	BRUSH (J) BENT WOOD HANDLE 2-1/2" CORONA	PS10 4007 40
5			EA	BRUSH (J) BENT WOOD HANDLE 3" CORONA	PS10 4008 40
	6		EA	BRUSH (J) FLAT PAINT 1" CORONA	PS10 4009 40
2			EA	BRUSH (J) FLAT PAINT 1 1/2" CORONA	PS10 4010 40
			EA	BRUSH (J) FLAT PAINT 2" CORONA	PS10 4011 40
			EA	BRUSH (J) FLAT PAINT 3" CORONA	PS10 4013 40
			EA	BRUSH (J) FLAT PAINT 4" CORONA	PS10 4014 40
			EA	BRUSH (J) FLAT VARNISH 2" CORONA	PS10 4017 40
			EA	BRUSH (J) FLAT VARNISH 3" CORONA	PS10 4019 40
			EA	BRUSH (J) FLAT VARNISH 4"	PS15 4022 40
			EA	BRUSH (J) STENCIL 3/4" CORONA	PS10 4021 40
			EA	MITT (J) PAINTER	PS99 4000 40
3			EA	COVER (J) ROLLER ARSCO 18" SEALED CORE	PS20 4006 40
3	4		EA	COVER (J) ROLLER ARSCO 4" MAC 40 SEALED CORE	PS20 4000 40
3			EA	COVER (J) ROLLER ARSCO 7" MAC 70 SEALED CORE	PS20 4001 40
3	6		EA	COVER (J) ROLLER ARSCO 9" MAC 90 SEALED CORE	PS20 4002 40
1			EA	FRAME (J) ROLLER 18" SEALED CORE	PS20 4007 40
1	1		EA	FRAME (J) ROLLER 4" MAF 40 SEALED CORE	PS20 4003 40
1			EA	FRAME (J) ROLLER 7" MAF 70 SEALED CORE	PS20 4004 40
1			EA	FRAME (J) ROLLER 9" MAF 90 SEALED CORE	PS20 4005 40
2			EA	POLE (J) ROLLER PAINT EXTENSION 6' WOOD	PS15 4000 40
2			EA	POLE (J) ROLLER PAINT EXTENSION 4' WOOD	PS15 4001 40

MISCELLANEOUS PAINT SUPPLIES

SHIPS 7-DAY CONSUMABLE LIST

DEPARTMENT			UOM	DESCRIPTION	ITEM_ID
Deck	Engine	Steward			
2	4		EA	SCRAPER (J) ALL METAL	PS99 4001 40
1			EA	POLE (J) EXTENSION ALUMINUM 6'-12' #3212	PS15 4002 40
			EA	POLE (J) EXTENSION ALUMINUM 6'-18'	PS15 4003 40
1			EA	HAMMER (J) CHIPPING WOOD HANDLE	TL20 4002 40
1		1	EA	KNIFE (J) UTILITY 10-099	TL20 0204 40
1		1	PK	BLADE (J) UTILITY KNIFE SPARE 5/PK	TL20 4001 40
1	2		EA	TRAY (J) PAINT PLASTIC 1 GAL CAP	PS30 4001 40
			EA	SCRAPER (J) 5 IN 1 PAINT TOOL CAMBAR CAT. 123 PG. 243	TL20 4003 40
1			EA	SPRAYER (J) HUDSON 63490 GALV. 4 GAL.	PS99 4002 40
2			EA	MESH (J) STEEL FOR PAINT POT	PS99 4003 40

METAL CLEANERS AND PAINT PRODUCTS

			CS	CLEANER(J) PAINT REMOV HANDY-MAN 1/DZ CS SELIG # 038909	CC20 0020 40
			CS	COATING (J) RUST PREVENT LINEBACKER (SELIG 238407) 4 / 1 G	CC20 4008 40
			EA	NONSKID (J) COMPOUND 1 UNIT/5 GAL.	PS99 4004 40
1			EA	PAINT (J) SPRAY BLACK	PT45 4001 40
1			EA	PAINT (J) SPRAY BLUE	PT45 4002 40
1			EA	PAINT (J) SPRAY CLEAR	PT45 4007 40
1			EA	PAINT (J) SPRAY FLUORECENT GREEN	PT45 4008 40
1			EA	PAINT (J) SPRAY FLUORECENT RED	PT45 4009 40
1			EA	PAINT (J) SPRAY FLUORECENT YELLOW	PT45 4010 40
1			EA	PAINT (J) SPRAY GRAY	PT45 4003 40
1			EA	PAINT (J) SPRAY INTERNATIONAL ORANGE	PT45 4006 40
1			EA	PAINT (J) SPRAY SAFETY RED	PT45 4005 40
1			EA	PAINT (J) SPRAY SAFETY YELLOW	PT45 4004 40
1			EA	PAINT (J) SPRAY WHITE	PT45 4000 40
			EA	VARNISH (J) SPAR CLEAR EXTERIOR USE W/UV PROTECTION SA	PT75 4000 40

LADDERS

			EA	LADDER (J) FIBERGLASS SINGLE 14'	HG40 4000 40
			EA	LADDER (J) FIBERGLASS EXTENSION 28'	HG40 4001 40

SHIPS 7-DAY CONSUMABLE LIST

DEPARTMENT			UOM	DESCRIPTION	ITEM_ID
Deck	Engine	Steward			
1		1	EA	LADDER (J) STEP 3' FIBERGLASS CLASS 1A 300 LB CAPACITY	HG40 4014 40
			EA	LADDER (J) STEP 3' WOOD CLASS 1A 300 LB CAPACITY	HG40 4008 40
			EA	LADDER (J) STEP 5' FIBERGLASS CLASS 1A 300 LB CAPACITY	HG40 4015 40
			EA	LADDER (J) STEP 5' WOOD CLASS 1A 300 LB CAPACITY	HG40 4009 40
			EA	LADDER (J) STEP 6' FIBERGLASS CLASS 1A 300 LB CAPACITY	HG40 4016 40
			EA	LADDER (J) STEP 6' WOOD CLASS 1A 300 LB CAPACITY	HG40 4010 40
			EA	LADDER (J) STEP 8' FIBERGLASS CLASS 1A 300 LB CAPACITY	HG40 4017 40
			EA	LADDER (J) STEP 8' WOOD CLASS 1A 300 LB CAPACITY	HG40 4011 40
			EA	LADDER (J) WOOD STRAIGHT 12 FT CLASS 1A 300 LB CAPACITY	HG40 4003 40

LIFE SAVING EQUIPMENT

			EA	BUCKET (J) 8 QT. W/LANYARD	CS20 4000 40
			EA	BULB (J) FLASHLIGHT PR-2 2.38V .50AMP	LF15 4024 40
			EA	RING (J) BUOY ORANGE 30" USCG APPD	SE40 4000 40
			EA	OIL (J) ILUMINATING WATERTIGHT CONTAINER	LU99 4000 40
2			EA	FLASHLIGHT (J) 3 D CELL USCG APPROVED	LF20 4001 40
2			EA	FLASHLIGHT (J) 2 D CELL BRIGHTSTAR 1618	LF20 4000 40
			EA	HATCHET (J) W/LANYARD	TL25 4003 40
			EA	JACKNIFE (J) W/LANYARD	TL25 4004 40
			EA	LIFEJACKET (J) ADULT W/REFLECTIVE TAPE SEWN ON	SE40 4002 40
			EA	LIGHT (J) PFD CYALUME 6075	LF60 4004 40
			EA	LIGHT (J) PFD F/LIFE PRES. #L8-2A USCG APPROVED	LF60 4001 40
			EA	MATCHES (J) WATERPROOF CONTAINER	RS46 4000 40
			EA	PROVISIONS (J) LIFEBOAT 32 OZ.	FD99 4000 40
1			RL	TAPE (J) REFLECTIVE F/LIFEJACKET REPAIR	SE40 4017 40
			CS	WATER (J) FOR LIFEBOAT 10 2/3 OZ 24/CS	FD99 4001 40
			EA	WHISTLE (J) W/LANYARD	SE40 4006 40

PYROTECHNICS

			EA	FLARE (J) HAND HELD ROCKET	SE40 4010 40
			EA	FLARE (J) RED HAND HELD USCG APPROVED WW611	SE40 4012 40

SHIPS 7-DAY CONSUMABLE LIST

DEPARTMENT			UOM	DESCRIPTION	ITEM_ID
Deck	Engine	Steward			

FIRE FIGHTING EQUIPMENT

			EA	AXE (J) PICK HEAD FIRE 36"	TL25 4006 40
			FT	CHAIN (J) BRASS JACK	HM35 4001 40
3			EA	GASKET (J) FIREHOSE 1 1/2" HOSE	PG60 4000 40
3			EA	GASKET (J) FIREHOSE 2 1/2" HOSE	PG60 4001 40
			EA	HOSE (J) FIRE 1 1/2" X 50' NST UL BRASS PIN LUG	PH19 4000 40
1			EA	HOSE (J) FIRE 1-1/2" X 75' NST UL BRASS/PIN LUG	PH19 4002 40
			EA	HOSE (J) FIRE 2-1/2" X 50' NST UL BRASS/PIN LUG	PH19 4003 40
1			EA	HOSE (J) FIRE 2 1/2" X 75' NST UL BRASS PIN LUG	PH19 4001 40
1			EA	NOZZLE (J) WASHDOWN 1-1/2" MCMaster 6469T36	SE20 4004 40

SAFETY EQUIPMENT

			EA	CHIN STRAP (J) FOR HARD HAT	SE25 4002 40
			BX	MASK (J) DUST MIST, PARTICLE NON-TOXIC 20/BX 3M 8710	SE45 4003 40
1	1		BX	EAR PLUG (J) WITH CORDS 100/BX MAXLITE NRR30	SE10 4001 40
1			GAL	EYE WASH (J) SOLUTION REFILL	SE10 4003 40
2	1		EA	FACE SHIELD (J) HEAD BAND BRACKET HK	SE15 4001 40
3	2		EA	FACE SHIELD (J) CLEAR 3440V	SE15 4000 40
3			EA	HARNESS (J) FULL-BODY, SINGLE D-RING ROSE 502720	SE25 4001 40
	1	1	BX	GATORADE (J) 8.5 OZ POWDER MIX PKS 20/BX	FD30 0001 40
	1		EA	GOGGLES (J) BURNING #5 LENS OKI BEARING WS80	SE50 4002 40
2			EA	GOGGLES (J) CHIP-GRIND-CHEM SPLASH PROTECTION UVEX	SE50 4001 40
3			EA	HAT (J) HARD WHITE MAVERICK MAVHAT	SE30 4000 40
			EA	CAP (J) HEARING PROTECTION CANAL H LEIGHT QB2	SE30 4001 40
5			EA	PROTECTOR (J) HEARING EAR MUFF WILSON NRR28	SE10 4002 40
1			BX	CARTRIDGE (J) ORGANIC VAPOR 3M 6001	SE45 4002 40
			EA	PREFILTER (J) 3M 5010	SE45 4004 40
			EA	RESPIRATOR (J) DISP FOR WELD FUMES AND NUISANCE VAPO	SE45 4022 40
			EA	RINGS (J) RETAINER 3M 501	SE45 4023 40
6			EA	GLASSES (J) SAFETY CLEAR UVEX 3000 #135	SE50 4005 40

SHIPS 7-DAY CONSUMABLE LIST

DEPARTMENT			UOM	DESCRIPTION	ITEM_ID
Deck	Engine	Steward			
			EA	VEST (J) REFLECTIVE NYLON MESH SERVICE & MATERIAL FVIYR	SE25 4004 40

GASKETS AND TAPE

			EA	FORM-A-GASKET (J) 1 PT AVIATION 3D	PG99 4000 40
			EA	ELIMINATOR (J) GASKET (PERMATEX)	PG99 4012 40
			EA	GASKET MAKER (J) SILICONE RTV (SELIG 032505) 1 DZ 10 OZ CA	CC15 4005 40
			FT	RUBBER (J) SHT,GASKET MATERIAL 36"W 1/16	PG60 4002 40
			FT	FIBER (J) SHT.GASKET MATERIAL 36"W 1/16"	PG40 4000 40
			FT	RUBBER (J) SHT,GASKET MATERIAL 36"W 1/8	PG60 4003 40
			FT	FIBER (J) SHEET,GASKET MATERIAL 36"W,1/8	PG40 4001 40
			EA	MATERIAL (J) GASKET HIGH TEMP/STEAM 1/16 50" X 50" SHEET	PG45 4000 40
			EA	MATERIAL (J) GASKET HIGH TEMP/STEAM 1/8 50" X 50" SHEET	PG45 4001 40
			EA	NUT (J) LOCK ADHESIVE 1.69 OZ.	PG99 4003 40
			EA	LOCTITE (J) 609	PG99 4013 40
			EA	LOCTITE (J) PRIMER	PG99 4014 40
			EA	LOCTITE (J) F/MAKING O-RING,80851 PERMATEX	PG99 4005 40
			EA	FORM-A-GASKET (J) SILICONE BLUE 12 OZ	PG99 4006 40
2			EA	SILICONE (J) CLEAR	PG99 4007 40
			EA	SILICONE (J) RED FORM-A-GASKET 12 OZ	PG99 4008 40
2		2	EA	TAPE (J) MASKING 3" X 60 YD	HG10 4000 40
			EA	TAPE (J) PACKING 2" FILAMENT	HG10 4001 40
1	2		EA	TAPE (J) TEFLON 1/2" X 520"	HG10 4002 40
	2		EA	TAPE (J) TEFLON 3/4" X 520"	PG65 4000 40
3	2		EA	TAPE (J) DUCT 2" X 60 YD.	HG10 4003 40
	2		EA	TAPE (J) DUCT 3" X 60 YD.	HG10 4004 40
			EA	TAPE (J) ELECT 3/4"X66' SCOTCHSUPER #88	HG10 4006 40
			EA	TAPE (J) ELECT GLASS CLOTH 3/4"X66' #27	HG10 4007 40
1			EA	TAPE (J) ELECTRICAL 3/4" X 66' SCOTCH 33	HG10 4005 40
1			EA	TAPE (J) MASKING 1" X 60 YD.	HG10 4009 40
1	2		EA	TAPE (J) MASKING 2" X 60 YD.	HG10 4010 40
	1		EA	SEALANT (J) THREAD 1 PT W/BRUSH #14D	PG99 4009 40

SHIPS 7-DAY CONSUMABLE LIST

DEPARTMENT			UOM	DESCRIPTION	ITEM_ID
Deck	Engine	Steward			

LUBRICANTS AND LUBRICATION EQUIPMENT

1			EA	GUN (J) GREASE ALEMITE 4041 B	FT42 4001 40
			CS	ANTISEIZE (J) LUBRICANT NO GRAB (SELIG 220005) 12/ 8 OZ CA	CC25 4001 40
	3		EA	WAX (J) BEES COMM'L GRADE 1 LB.	RE99 4000 40
1	1		CS	COATING (J) GALVANITIZING ZINC RICH 16OZ	CC90 4000 40
			EA	FITTING (J) GREASE HYD STRAIGHT 1/4 NPT 1627	FT42 4005 40
			EA	FITTING (J) GREASE HYD STRAIGHT 1/8 NPT 1610	FT42 4006 40
			EA	FITTING (J) GREASE HYD 90 EL 1/4 NPT 1629-B	FT42 4007 40
			PAIL	GREASE (J) EP-2 35# PAIL	LU15 4000 40
			EA	FITTING (J) GREASE BUTTONHEAD 1/4" A1186	FT42 4009 40
			EA	FITTING (J) GREASE BUTTONHEAD 1/8" A1184	FT42 4010 40
			EA	FITTING (J) GREASE 45* 1/8" #A-684 PIN TYPE	FT42 4011 40
			EA	GREASE (J) SILICONE DOW 111 16 OZ TUBE	LU15 4010 40
			EA	GREASE (J) WHITE 35# PAILS LITHIUM BASE	LU15 4004 40
	1		CS	LUBRICANT (J) CUTTING OIL 19-SX-93 (SELIG 241011) 5 GALS PE	LU20 0008 40
			CS	LUBRICANT (J) ENVIRO MASTER MECH AERO (SELIG 035109) 1	LU20 4012 40
			CS	LUBRICANT (J) O-RING LOCTITE OR DOW CORNING 5-OZ TUBE	PG99 4010 40
			CS	LUBRICANT (J) MOLYKOTE SPRAY	LU10 4001 40
4	12		CS	LUBRICANT (J) PB BLASTER 16 OZ AEROSOL	LU20 4000 40
			EA	LUBRIPLATE (J) CARTRIDGE	LU15 4007 40
			EA	MOLYCOTE (J) G/N PASTE 17.5 OZ. UNIT	LU20 4003 40
			DR	OIL (J) FISH 55 GAL. DRUM	LU20 4009 40
1			GAL	OIL (J) MYSTERY #014 1 GAL.	LU20 4010 40
			EA	OILER (J) 1/2 PT.	CS30 4000 40
			EA	PUMP (J) OILER 1 PT.	PC50 4000 40
			EA	DIE MARK (J) PRUSSIAN BLUE 3/4 TUBE #35V	CC40 4000 40
1			PAIL	LUBRICANT (J) WIRE 35# PAIL	LU15 4001 40

ELECTRICAL SUPPLIES AND LAMPS

			CS	BULB (J) NAVIGATION FILAMENT 50/50 120V	LF15 4026 40
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SHIPS 7-DAY CONSUMABLE LIST

DEPARTMENT			UOM	DESCRIPTION	ITEM_ID
Deck	Engine	Steward			
			CS	BULB (J) ROUGH SERVICE 60W SYLVANIA	LF15 4028 40
			BX	CONNECTOR (J) BUTT 12-10 100/BX	EL74 4000 40
			BX	CONNECTOR (J) BUTT 16-14 100/BX	EL74 4001 40
			BX	CONNECTOR (J) BUTT 22-18 100/BX	EL74 4002 40
			CS	CHEMICAL (J) CRC ZINC IT	CC70 4000 40
			CS	CLEANER (J) CONTACT SPRAY LECTRON 2020 (SELIG 032909) 1	CC75 4004 40
			FT	CORD (J) PORTABLE 14/3 SO	EL10 4001 40
			EA	DUXSEAL (J) 1 LB.	EL18 4008 40
			EA	CORD (J) EXTENSION HD3 PRG50 NON STICK	EL34 4000 40
			EA	CORD (J) EXTENSION H.D. 3 PRONG 50' NON-STICK 220V 2-PR	EL34 4002 40
			EA	CORD (J) EXTENSION H.D.2-PRONG 100' 220V EUROPEAN STYLE	EL34 4003 40
			EA	CORD (J) EXTENSION H.D. 3 PRONG 100'	EL34 4001 40
			EA	LIGHT (J) EXT. 5025-SRG MCGILL 120V 100W 25' STRAIGHT BL	LF30 4017 40
			EA	GLOBE (J) WT CLEAR 3 5/16 DIA X 5"	LF35 4001 40
			EA	GLOBE (J) WT CLEAR 3 5/16 DIA X 6"	LF35 4002 40
			EA	GUARD (J) BRASS 6" OCEANIC 517	LF40 4001 40
			EA	INSULATION (J) HEAT SHRINK 1/16 DIA 4' LENGTH	EL66 4000 40
			EA	INSULATION (J) HEAT SHRINK 1/2 DIA 4' LENGTH	EL66 4001 40
			EA	INSULATION (J) HEAT SHRINK 1/4 DIA 4' LENGTH	EL66 4002 40
			EA	INSULATION (J) HEAT SHRINK 1/8 DIA 4' LENGTH	EL66 4003 40
			EA	INSULATION (J) HEAT SHRINK 3/8 DIA 4' LENGTH	EL66 4004 40
			EA	INSULATION (J) VARNISH SPRAY RED GLYPTOL3M 1602	PT40 4000 40
			CS	LAMP (J) CIRCLINE FC8T9/CW 4 PIN 22W COOL WHITE	LF30 4000 40
	8		CS	LAMP (J) FLUORESCENT F20/T12 BI PIN 24/CASE	LF15 4030 40
	8		CS	LAMP (J) FLUORESCENT F40/CW BI PIN 30/CASE	LF15 4032 40
			CS	LAMP (J) FLUORESCENT F48/T12 (30/CS) SINGLE PIN	LF15 4033 40
			CS	LAMP (J) INCANDESCENT 100W 120V 100A 19/RS E27 MED SCR	LF15 4035 40
			CS	LAMP (J) INCANDESCENT 100W A19 220V 100 RS E27 MEDIUM SC	LF15 4048 40
			CS	LAMP (J) INCANDESCENT 300W 120V MOGAL BASE 24/CS	LF15 4049 40
			CS	LAMP (J) INCANDESCENT 40W A19 40A 220V RS 120/CS	LF30 4005 40

SHIPS 7-DAY CONSUMABLE LIST

DEPARTMENT			UOM	DESCRIPTION	ITEM_ID
Deck	Engine	Steward			
			CS	LAMP (J) INCANDESCENT 50W A19 501/RS 120V 120/CS	LF15 4006 40
			CS	LAMP (J) INCANDESCENT 50W A19 220V501/ RS 120/CS	LF30 4020 40
			CS	LAMP (J) INCANDESCENT 60W A19 130V 120/CS	LF15 4008 40
	1		CS	LAMP (J) INCANDESCENT 60W A19 220V 120/CS	LF15 4050 40
			CS	LAMP (J) INDICATOR 3080 24V 5W E14 2 1/4 X 1/2 DIA	LF30 4011 40
			CS	LAMP (J) INDICATOR #44 6.3V .25A MIN SC BAYONET (100/CS)	LF30 4007 40
			BX	LAMP (J) INDICATOR GE 1819 100/CS	LF15 4016 40
			CS	LAMP (J) MERCURY HR400DX33 400W E40 (MOGUL SCREW) G	LF30 4014 40
			CS	LAMP (J) QUARTZ HALOGEN 500T3Q/CL 120V 500W RECESSED	LF30 4016 40
			EA	EXTENSION (J) LIGHT FLUORESCENT 50 FT.	EL50 4003 40
			EA	LUG (J) CONNECTOR STA-KON 2RA18 (100/PK) INSULATED	EL26 4005 40
			BX	LUG (J) TERMINAL STAKON A18-10 NON-INSULATED (100/PK)	EL26 4008 40
			BX	LUG (J) TERMINAL STAKON RC1014 INSULATED (100/PK)	EL26 4012 40
			BX	LUG (J) TERMINAL STAKON C10-10 NON-INSULATED (100/PK)	EL26 4014 40
			EA	PLUG (J) MIPCO 32A 440V 333FC	EL50 4001 40
			EA	PLUG (J) MIPCO 32A 440V 333MP	EL50 4002 40
			EA	SEALANT (J) SILICONE ELEC GRADE GE RTV 122 10.3 OZ TB	CC50 4001 40
	24		EA	STARTER (J) FS-2 FOR 14,15 & 20W NEOSTART STARTER	EL70 4000 40
			EA	STARTER (J) FS-20 14,15,20 WATT MANUAL RESET STARTER	EL70 4001 40
	24		EA	STARTER (J) FS-4 FOR 13,30 & 40 WATT NONSTART STARTER	EL70 4002 40
			PK	TIES (J) CABLE 11" NATURAL 100/PK	EL82 4004 40
	1		PK	TIES (J) CABLE 12" BLACK 100/PK	EL82 4005 40
			PK	TIES (J) CABLE 15" NATURAL 100/PK	EL82 4006 40
			PK	TIES (J) CABLE 4" NATURAL 100/PK	EL82 4007 40
			PK	TIES (J) CABLE 5.5" NATURAL 100/PK	EL82 4008 40
	1		PK	TIES (J) CABLE 7.5" BLACK 100/PK	EL82 4009 40
			PK	TIES (J) CABLE 7.5" NATURAL 100/PK	EL82 4010 40
			EA	TUBE (J) TERMINAL 1/2" MALE	EL26 4015 40
			EA	TUBE (J) TERMINAL 3/4" MALE	EL26 4016 40
	1		PK	MARKER (J) WIRE POCKET PACK 0-9	EL82 4003 40

SHIPS 7-DAY CONSUMABLE LIST

DEPARTMENT			UOM	DESCRIPTION	ITEM_ID
Deck	Engine	Steward			
			BX	NUT (J) WIRE IDEAL 71B (100/PK)	EL26 4017 40
			BX	NUT (J) WIRE IDEAL 72B (100/PK)	EL26 4018 40
			BX	NUT (J) WIRE IDEAL 73B (100/PK)	EL26 4019 40
			BX	NUT (J) WIRE IDEAL 74B (100/PK)	EL26 4020 40
			BX	NUT (J) WIRE IDEAL 76B (100/PK)	EL26 4021 40

BATTERIES

			EA	BATTERY (J) 6V ALKALINE SCREW TERM DTD	BA10 4006 40
			EA	BATTERY (J) 6V ALKALINE SPRING TERMINAL	BA10 4007 40
			EA	BATTERY (J) 9V ALKALINE	BA10 4002 40
24	12		EA	BATTERY (J) AA ALKALINE	BA10 4003 40
24			EA	BATTERY (J) AAA ALKALINE	BA10 4004 40
24	72		EA	BATTERY (J) C CELL	BA30 4003 40
36	36		EA	BATTERY (J) D ALKALINE	BA10 4001 40
12	12		EA	BULB (J) FLASHLIGHT PR3	LF15 4047 40
5			EA	FLASHLIGHT (J) MINI RAY-O-VAC	LF20 4011 40
			EA	FLASHLIGHT (J) NON HAZADOUS BS1925 3 CELL USCG	LF20 4004 40
6			EA	FLASHLIGHT (J) 2 D CELL ORANGE # 2117	LF20 4006 40
2			EA	FLASHLIGHT (J) 3 D CELL WATERPROOF	LF20 4009 40
			EA	TESTER (J) HYDROMETER BATTERY W/SYRINGE	BA25 4000 40
2			EA	LANTERN (J) SAFETY 6V EVEREADY 459	LF45 4002 40

HARDWARE GENERAL

	2		BG	CONCRETE (J) READY MIX 40#	CC30 4003 40
			LB	LOCKWIRE (J) STAINLESS STEEL 16 GAUGE	HG10 4021 40
			LB	LOCKWIRE (J) STAINLESS STEEL 20 GAUGE	HG10 4022 40
			EA	MEASURE (J) FLEX-SPOUT 1 PT	HG99 4001 40
			EA	MEASURE (J) FLEX-SPOUT 1 QT	HG99 4002 40
3	2		EA	PLYWOOD (J) 3/8" X 4' X 8' CDX	LB40 4000 40
			EA	CYLINDER (J) PROPANE DISPOSABLE	FL40 4000 40
			EA	KIT (J) PROPANE TORCH	WS99 4000 40

SHIPS 7-DAY CONSUMABLE LIST

DEPARTMENT			UOM	DESCRIPTION	ITEM_ID
Deck	Engine	Steward			
			EA	GUARD (J) RAT 36"	CC99 4001 40
			EA	NEEDLE (J) SAIL	RE30 4000 40
			EA	TWINE (J) SAIL WAXED LB	HM50 4003 40
			EA	TWINE (J) SAIL WAXED LB	RE30 4002 40
			EA	WIRE (J) SEIZING (5 LB.)	HG10 4023 40
1	1		EA	SPRAYER (J) 3 GAL MANUAL PUMP #4Z398 GRAINGER	HG99 4003 40
			EA	STAMP SET (J) METAL PUNCH 1/4 NUMBERS & LETTERS	TL20 4006 40
			EA	STAMP SET (J) METAL PUNCH 3/16 NUMBERS & LETTERS	TL20 4007 40
			EA	STENCIL (J) LETTERS & NUMBERS 2"	HG65 4001 40
			EA	TRAP (J) RAT	CC99 4002 40

ABRASIVES

			RL	CLOTH (J) ABRASIVE 2"X50 YD CROCUS	AB10 4007 40
			RL	CLOTH (J) ABRASIVE BELT 2" X 50 YD 100 G	AB10 4000 40
			RL	CLOTH (J) ABRASIVE BELT 2" X 50 YD 120 G	AB10 4001 40
			RL	CLOTH (J) ABRASIVE BELT 2" X 50 YD 180 G	AB10 4002 40
			RL	CLOTH (J) ABRASIVE BELT 2" X 50 YD 240 G	AB10 4003 40
			RL	CLOTH (J) ABRASIVE BELT 2" X 50 YD 400 G	AB10 4008 40
			RL	CLOTH (J) ABRASIVE BELT 2" X 50 YD 80 G	AB10 4006 40
			EA	BLADE (J) CHOP SAW 14" X 3/32 X 1" ARBOR	TL25 4032 40
2	2		EA	BRUSH (J) CUP 4" KNOTTED 5/8-11 ARBOR GRAINGER 5X891	AB35 0035 40
			EA	BRUSH (J) MOUNTED 1-1/8 KNOTTED 1/4 SHNK	AB35 0036 40
2	2		EA	BRUSH (J) WHEEL 6" KNOTTED 5/8-11 ARBOR	AB35 0037 40
			EA	CLOTH (J) CROCUS 9" X 11"	AB25 4001 40
			EA	DISC (J) SAND 4-1/2X 1/4X 7/8 A24N METAL	AB20 4002 40
			EA	DISC (J) SANDING 4 X 1/4 X 3/8 24 GRIT	AB20 4009 40
			EA	DISC (J) SANDING 4 X 1/4 X 5/8 24 GRIT	AB20 4010 40
			EA	DISC (J) SANDING 4 X 1/4 X 1/4 24 GRIT	AB20 4011 40
			EA	DISC (J) SANDING 7 X 1/4 X 7/8 A 24N MET	AB20 4012 40
			EA	DISC (J) SAND 7 X 7/8 FIBRE BACK 16 GRIT	AB20 4000 40
			EA	DISC (J) SAND 7 X 7/8 FIBRE BACK 36 GRIT	AB20 4001 40

SHIPS 7-DAY CONSUMABLE LIST

DEPARTMENT			UOM	DESCRIPTION	ITEM_ID
Deck	Engine	Steward			
			CN	CLOVER (J) GRINDING COMPOUND 1# GRADE A THRU J	AB20 4008 40
			BG	SANDBLASTER (J) BEAD BLAST #50 GLASS SHT BEAD 31611 MS-	AB15 4003 40
1			EA	SANDPAPER (J) 9"X11" COURSE (80 GRIT)	AB30 4006 40
1			EA	SANDPAPER (J) 9"X11" FINE (100 GRIT)	AB30 4007 40
1			EA	SANDPAPER (J) 9"X11" MEDIUM (T)	AB30 4008 40

ADHESIVES AND METAL COMPOUNDS

			EA	ADHESIVE (J) CLEAR DOW 739	CC15 4006 40
			EA	ADHESIVE (J) PLIOBOND	CC15 4001 40
			EA	BELZONA (J) MOLECULAR SUPER METAL 1 KG	CC30 4004 40
1			EA	CEMENT (J) CONTACT CON BOND 1 QT #985	CC15 4002 40
	2		EA	CORDOBOND (J) STRONG BACK STD 1LB RESIN (WITH CLOTH)	CC30 4000 40
			EA	STEEL (J) PLASTIC DEVCON "B"	CC30 4001 40
			EA	STEEL (J) PLASTIC DEVCON "A"	CC30 4002 40
			EA	PUTTY (J) DEVCON UW 1 LB	CC30 4005 40
1			EA	PASTE (J) FILLER RED HAND "A" 1 QT CAN	CC70 4001 40
1			EA	PASTE (J) RED HAND FILLER "B" 1 QT CAN	CC70 4002 40
			EA	PASTE (J) WATER FINDING 3 OZ TUBE	CC85 4000 40
			EA	SEALANT (J) DOW 737 BLACK	CC15 4007 40
			EA	SEALANT (J) SILICONE ELEC GRADE GERTV12210.3 OZ TUBE	CC50 4002 40
			EA	ADHESIVE (J) SUPER GLUE 1 OZ #80092 PERMATHEX	CC15 4003 40

CLAMPS AND FASTENERS

2			EA	CLAMP (J) HOSE WORM DRIVE SS SIZE 08 7/16 TO 1"	HG20 4000 40
2			EA	CLAMP (J) HOSE WORM DRIVE SS SIZE 16 3/4 TO 1 1/2"	HG20 4001 40
2			EA	CLAMP (J) HOSE WORM DRIVE SS SIZE 28 1 3/8 TO 2 1/4"	HG20 4002 40
2			EA	CLAMP (J) HOSE WORM DRIVE SS SIZE 40 2 1/8 TO 3"	HG20 4003 40
2			EA	CLAMP (J) HOSE WORM DRIVE SS SIZE 52 2 7/8 TO 3 3/4"	HG20 4004 40
2			EA	CLAMP (J) HOSE WORM DRIVE SS SIZE 64 3 1/2 TO 4 1/2"	HG20 4005 40
3	4		EA	HOOK (J) SNAP EYE BTASS HALYARD	FA15 4000 40
1			LB	NAIL (J) COMMON 10D	FA20 4000 40

SHIPS 7-DAY CONSUMABLE LIST

DEPARTMENT			UOM	DESCRIPTION	ITEM_ID
Deck	Engine	Steward			
1			LB	NAIL (J) COMMON 16D	FA20 4001 40
1			LB	NAIL (J) COMMON 20 D	FA20 4003 40
2			EA	PADLOCK (J) COMBINATION RESETTABLE MASTER	HG45 4005 40
2			EA	PADLOCK (J) BRASS W/STL SHACKLE 1 1/2" <TC>	HG45 4002 40
2			EA	PADLOCK (J) BRASS W/STL SHACKLE 1 3/4" <TC>	HG45 4003 40

MISCELLANEOUS TOOLS

			EA	BLADE (J) HACKSAW H.S. STEEL 12"-14T	TL25 4009 40
			EA	BLADE (J) HACKSAW H.S. STEEL 12" 18T	TL25 4010 40
			EA	BLADE (J) HACKSAW H.S. STEEL 12" 24T	TL25 4030 40
			EA	BLADE (J) BAND SAW SANDVIK 5' 4-1/2" X 1/2" X .025" 18 TEETH	TL25 4033 40
			EA	BLADE (J) BAND SAW SANDVIK 5' 4-1/2" X 1/2" X .025" 24 TEETH	TL25 4034 40
1	1		EA	GUN (J) CAULKING CARTRIDGE TYPE	TL25 4011 40
			EA	HOSE (J) AIR 1" X 50' 250 LB.	PH13 4000 40
1	1		EA	HOSE (J) AIR 1/2" X 50' 250 LB.	PH13 4001 40
			EA	HOSE (J) AIR 3/4" X 50' 250 LB.	PH13 4002 40
			EA	DRIVER (J) NEEDLE #834045 FOR CLECO SCALER BC1	TL25 4026 40
			EA	HOLDER (J) NEEDLE #834046-5 FOR CLECO SCALER BC1	TL25 4027 40
			EA	NEEDLE (J) FOR CLECO SCALER BC1 7"	TL25 4025 40
			EA	BAR (J) PRY 60"	TL20 4005 40
			EA	SCALER (J) PNEUMATIC CLECO BC-1	TL10 4000 40
			EA	BUSHING (J) SCREEN #841553-1 FOR CLECO SCALER BC1	TL25 4028 40
			EA	SPRING (J) THROTTLE VALVE #832078-0 FOR CLECO SCALER	TL25 4029 40

MEASURING DEVICES

			EA	BOB (J) FOR CONSTRICTED PIPE STARRETT 515B	TL25 4035 40
	1		EA	BOB (J) OUTAGE FOR SOUNDING TAPE	TL25 4014 40
			EA	BOB (J) OUTAGE FOR SOUNDING TANK STARRETT 515F	TL25 4037 40
1			EA	TAPE (J) SOUNDING 30M STARRET C507MCB30 METRIC/ENGLISH	TL25 4016 40
1			EA	TAPE (J) SOUNDING REFILL 30 MTR	TL25 4017 40
			EA	BOB (J) TANK GAUGING BRASS OUTAGE 16 OZ	TL25 4019 40

SHIPS 7-DAY CONSUMABLE LIST

DEPARTMENT			UOM	DESCRIPTION	ITEM_ID
Deck	Engine	Steward			
	1		EA	TAPE (J) TANK GAUGING 15 METER REEL STARRETT C507MC	TL25 4038 40
	1		EA	TAPE (J) TANK GAUGING REFILL 15 METER STARRETT	TL25 4039 40
			EA	TAPE (J) RULE AUTOLOK 10FT 3M	TL25 4020 40
			EA	TAPE (J) RULE AUTOLOK 16FT 5M	TL25 4021 40
1			EA	TAPE (J) GAUGING 1/2" X 30M/100FT	TL25 4022 40

WELDING SUPPLIES

			FT	CABLE (J) FT WELDING 2/0 COPPER 50 FT	EL10 4006 40
			EA	CONNECTOR (J) CABLE WELDING NEOPRENE COVERED FEMALE	EL10 4007 40
			EA	CONNECTOR (J) CABLE WELDING NEOPRENE COVERED MALE	EL10 4008 40
			EA	LIGHTER (J) GAS TORCH FLINT	WS62 4000 40
			EA	FLINT (J) GASS TORCH LIGHTER	WS62 4001 40
			EA	CLEANER (J) GASS TORCH TIP	WS66 4000 40
			PAIR	GLOVE (J) WELDING LEATHER LONG SIZE LARGE	WS42 4000 40
			EA	HAMMER (J) CHIPPING SPRING HANDLE	WS14 4000 40
			EA	END (J) HOSE 1/4"X3/8" OXY & ACET	FT18 4003 40
			EA	LENS (J) REPL F/WELDING HOOD 2" X 4 1/2" CLEAR PROTECTIVE	WS46 4001 40
			EA	LENS (J) REPL F/WELDING HOOD 2" X 4 1/2" SHADE 10	WS46 4002 40
			EA	LENS (J) REPL F/WELDING HOOD 2" X 4 1/2" SHADE 12	WS46 4003 40
			EA	LENS (J) REPL F/GAS WELDING GOGGLES CLEAR	WS46 4004 40
			EA	LENS (J) REPL F/GAS WELDING GOGGLES SHADE 5	WS46 4005 40
			EA	LENS (J) REPLACEMENT, CLEAR 50MM #EL-GL	SE50 4003 40
			EA	LENS (J) REPLACEMENT SHADE #5 EL-FSH	SE50 4004 40
			EA	HELMET (J) WELDING FIBERGLASS LIFT FRONT WILLSON FCF	WS30 4000 40

REFRIGERATION EQUIPMENT

			EA	LINE (J) CHARGING & TEST MANIFOLD 36" BLUE	TE40 4000 40
			EA	LINE (J) CHARGING & TEST MANIFOLD 36" RED	TE40 4001 40
			EA	LINE (J) CHARGING & TEST MANIFOLD 36" YELLOW	TE40 4002 40
			EA	LINE (J) CHARGING & TEST MANIFOLD W/3 36" COLOR CODED C	TE40 4003 40
			EA	DETECTOR (J) HALIDE TORCH R12 LEAK	TE40 4005 40

SHIPS 7-DAY CONSUMABLE LIST

DEPARTMENT			UOM	DESCRIPTION	ITEM_ID
Deck	Engine	Steward			

CORDAGE AND RIGGING SUPPLIES

1			RL	MANILA (J) 1"DIA 600' FOR LIFEBOATS	HW10 4000 40
1			RL	MANILA (J) 1/2" DIA 600'	HW25 4000 40
1			RL	MANILA (J) 1/4 DIA 1200'	HW25 4001 40
1	1		RL	MANILA (J) 3/8 DIA 600'	HW25 4002 40
1			RL	POLYPRO (J) 3/8" DIA 600' ORANGE	HW20 4003 40
1			RL	POLYPRO (J) 3/8" DIA 600' YELLOW	HW20 4004 40
1			RL	MANILA (J) 5/8 DIA 600'	HW25 4004 40
1			EA	CLOTH (J) DROP 9'X12' CANVAS	HM50 4001 40
			EA	FID (J) WOODEN 6"	RE74 4002 40
1			EA	PASTE (J) KOLOR KUT WATER FINDING	TE40 4007 40
			EA	MATLINE(J) TARRED	HM50 4002 40
6			EA	SHACKLE (J) SCREW PIN ANCHOR 1 INCH CROSBY G-209	HM10 4000 40
2	2		EA	SLING (J) NYLON WEB 2" X 6'	RE58 4000 40
2	2		EA	SLING (J) NYLON WEB 2" X 8'	RE58 4001 40
2			EA	SLING (J) WIRE ROPE 1/4 X 5'	RE58 4003 40
2			EA	SLING (J) WIRE ROPE 5/8 X 5'	RE58 4005 40

CLOTHING

6			EA	BOOT (J) RUBBER KNEE SIZE 10 (RED BALL)	CA15 4000 40
6			EA	BOOT (J) RUBBER KNEE SIZE 11 (RED BALL)	CA15 4001 40
6			EA	BOOT (J) RUBBER KNEE SIZE 12 (RED BALL)	CA15 4002 40
6			EA	BOOT (J) RUBBER KNEE SIZE 13 (RED BALL)	CA15 4003 40
6			EA	BOOT (J) RUBBER KNEE SIZE 8 (RED BALL)	CA15 4004 40
6			EA	BOOT (J) RUBBER KNEE SIZE 9 (RED BALL)	CA15 4005 40
			BX	COVERALL (J) EXTRA-LARGE, DISPOSABLE	CA25 4001 40
			BX	COVERALL (J) DISPOSABLE SIZE LARGE	CA25 4000 40
2			EA	COVERALL (J) HOODED F/CHEMICAL PROTECTION	CA25 4002 40
12			PR	GLOVES (J) COTTON WORK W/BLACK PVC DOTS WASHABLE GR	CA30 4006 40
2			EA	GLOVES (J) CHEMICAL RESISTANT SAFETY PRODUCTS "THE B	CA30 4007 40

SHIPS 7-DAY CONSUMABLE LIST

DEPARTMENT			UOM	DESCRIPTION	ITEM_ID
Deck	Engine	Steward			
2			EA	GLOVES (J) CHEMICAL XYLENE RESISTANT SILVER SHIELD GR	CA30 4008 40
3	1		DZ	GLOVE (J) COTTON WORK W/KNITWRIST #208	CA30 4000 40
2			EA	GLOVE (J) H.D. NEOPRENE SIZE 10 N36	CA30 4001 40
4		1	DZ	GLOVE (J) LEATHER PALM #122D	CA30 4002 40
2			EA	GLOVE (J) NEOP.CHEM./ACID RESISTANT #NL34M	CA30 4003 40
2		3	EA	GLOVE (J) RUBBER PLAYTEX LG. #8326	CA30 4005 40
2			EA	GLOVE (J) WELDER ALL LEATHER GAUNTLET #200	WS42 4001 40
2	2		EA	PAD (J) KNEE	CA15 4006 40
6	4		EA	SUIT (J) RAIN COMPLETE YELLOW LARGE RIVER CITY 200-3	CA20 4000 40
6			EA	SUIT (J) RAIN COMPLETE YELLOW MEDIUM RIVER CITY 200-3	CA20 4001 40
8	2		EA	SUIT (J) RAIN COMPLETE YELLOW XLARGE RIVER CITY 200-3	CA20 4003 40

SHIPS 90-DAY CONSUMABLE LIST

DEPARTMENT			UOM	DESCRIPTION	ITEM_ID
Deck	Engine	Steward			

SOAPS, CLEANERS AND CLEANSERS

8	8		PAIL	DEGREASER (J) SOLVENT 140-SX-90 (SELIG 218711) 5 GALS PER	JE38 4006 40
1	1	6	CS	BLEACH (J) LIQUID (SELIG 273207) 4/1 GAL PER CASE	JE10 4004 40
	4		CS	CLEANER (J) DRAIN FORMULA-0 98 (SELIG 217709) 1 DZ/ 20 OZ	JE30 0023 40
		2	CS	CLEANER (J) FLOOR LIQUID-NEUTRO-JEL (SELIG 094507) 4/1 GAL	JE30 0024 40
			PAIL	CLEANER (J) FLOOR LIQUID-NEUTRO-JEL (SELIG 094511) 5 GAL	JE30 0021 40
		4	CS	CLEANER (J) GERMICIDIAL GERMAWAY (SELIG 301002) 12/ 1 QT	JE10 0006 40
2		4	CS	CLEANER (J) GLASS GLASHINE (SELIG 209403) 12/1 QT BTLS P	JE30 4009 40
1			CS	CLEANER (J) HAND SOAP GABE'S GRIT (SELIG 254070) 9/2500 M	JE62 0003 40
1	4		CS	CLEANER (J)HAND W/GRT ORANGE RUFFY (SELIG 254970) 9/250	JE62 4007 40
1		4	CS	CLEANER (J) PINE PINETEX (SELIG 295007) 4/1 GALS PER CASE	JE30 4012 40
		6	CS	CLEANER (J) SURFACE SPRAY GOSH (SELIG 209202) 12/1 QT C	JE30 4010 40
		4	CS	CLEANER (J)ALL SURFACE,CREME CLEANSER, DISINFECTANT,S	JE30 0022 40
		2	CS	DEGREASER (J) CLEAR CHOICE 5 GALS PER PAIL	CC60 4002 40
			PAIL	DEGREASER (J) CLEANER, CLEAR-CHOICE (SELIG 213511/PAIL	CC60 4004 40
		2	CS	CLEANER (J) SOLVENT ZONE DEFENSE (SELIG 049509) 1 DZ CA	CC60 0080 40
		2	PAIL	DETERGENT (J) LAUNDRY SNO-WHITE (SELIG 288203) 45 LBS PE	JE38 4010 40
		2	CS	DETERGENT (J) LAUNDRY SNO-WHITE (SELIG 475618) 4/10LB PA	JE38 4020 40
			EA	DISPENSER SOAP (J) HAND IRON MAN (SELG 508105)	HG15 0002 40
1	1	2	CS	SOAP (J) HAND LAVA 48/CS	JE62 4002 40
		2	CS	POLISH (J) STNLS STEEL,SELCO-SHINE (SELIG 020309)1 DZ CAN	JE14 0005 40
4	4	6	EA	SPRAYER (J) SOLVENT RESISTENT QT BOTTLE	JE54 4020 40
		4	CS	STRIPPER (J) WAX RE-MOV (SELIG 089807) 4/1 GALS PER CASE	JE30 4013 40
			CS	WAX (J) FLOOR LIQUID NJ-FINISH (SELIG 094207) 4/1 GALS PER	JE76 4001 40
		2	PAIL	WAX (J) FLOOR LIQUID NJ FINISH (SELIG 094213) 5 GALS PER D	JE76 4002 40

CLEANING AND MAINTENANCE BRUSHES AND MOPS

6	2		EA	BROOM (J) GARAGE 36" W/O THRD.HDL. #1107-36	JE18 4004 40
			EA	BROOM (J) STREET 16" W/O HANDLE PALMYRA	JE18 4005 40
6			EA	BROOM (J) WHISK 9" #70031	JE18 4006 40
6	2		EA	BROOM (J) CORN HEAVY DUTY	JE18 4001 40

SHIPS 90-DAY CONSUMABLE LIST

DEPARTMENT			UOM	DESCRIPTION	ITEM_ID
Deck	Engine	Steward			
		4	EA	BROOM (J) PUSH 18" W/HANDLE FINE BRISTLE	JE18 4002 40
			BX	BRUSH (J) ACID 144/BX	JE22 4000 40
		4	EA	BRUSH (J) HAND SCRUB PLASTIC 4" X 12"	JE22 4001 40
6	2		EA	BRUSH (J) TURKS HEAD 4 1/2 DIA MAGNOLIA #1429 WITH THREA	JE22 4003 40
8	2	8	EA	BRUSH (J) COUNTER DUSTER FOXTAIL #208-8	JE22 4004 40
			EA	BRUSH (J) DECK 9" HOL. PALMYRA #610	JE22 4005 40
			EA	BRUSH (J) HAND SCRUB 8" #598	JE22 4006 40
2		12	EA	BRUSH (J) SANITARY 20" WOOD HANDLE	JE22 4008 40
4			EA	BRUSH (J) STEEL WIRE 3 X 19 ROW BH	JE22 4009 40
4	4		EA	BRUSH (J) STEEL WIRE 4 X 16 ROW SHOE HDL #114	JE22 4010 40
	4		EA	BRUSH (J) WIRE SCRATCH SHOE HANDLE BRASS	JE22 4015 40
		4	EA	PADS (J) BUFFING RED 16"	AB40 4000 40
			EA	BROOM (J) FLOOR 24" TAMPICO	JE18 4007 40
1	3		EA	HANDLE (J) MOP SPRING TYPE	JE50 4000 40
6			EA	HANDLE (J) WOOD 54" TAPERED	JE18 4009 40
6	3		EA	HANDLE (J) WOOD 54" THREADED WITH METAL TIP	JE18 4010 40
			EA	MOP (J) YACHT 16 OZ. W/HANDLE	JE50 4005 40
			EA	MOP (J) YACHT 20 OZ. W/HANDLE	JE50 4006 40
			EA	MOP (J) YACHT 24 OZ. W/HANDLE	JE50 4007 40
6	8	20	EA	MOPHEAD (J) 32 OZ. COTTON	JE50 4004 40
			EA	MOPHEAD (J) 16 OZ. COTTON	JE50 4001 40
			EA	MOPHEAD (J) 20 OZ. COTTON	JE50 4002 40
			EA	MOPHEAD (J) 24 OZ. COTTON	JE50 4003 40
			EA	PADS (J) POLISHING WHITE 16"	AB25 4000 40
2	2	6	BX	PADS (J) SCOTCH BRITE 3M 10 PADS/BX.	AB40 4001 40
3	3	4	EA	BRUSH (J) SCRUB UTILITY LONG HANDLE #417OSBORN	JE22 4012 40
		4	EA	BRUSH (J) SCRUB UTILITY SHORT HANDLE OSBORN 413	JE22 4013 40
		6	EA	PADS (J) STRIPPING BLACK 16"	AB40 4002 40
			EA	BRUSH (J) WIRE SCRATCH SHOE HANDLE STAINLESS STEEL	JE22 4016 40
		4	EA	BRUSH (J) WIRE SCRATCH CURVED HANDLE STAINLESS STEEL	JE22 4017 40

SHIPS 90-DAY CONSUMABLE LIST

DEPARTMENT			UOM	DESCRIPTION	ITEM_ID
Deck	Engine	Steward			

CLEANING AND MAINTENANCE SUPPLIES

12	10		EA	ABSORBENT (J) 50# BAG AP-SORBANT SELIG (SELIG 117605) 50	AS50 0010 40
			CS	FILTER (J) AIR 16 X 25 X 1 12/BX	FI10 4001 40
	2		CS	FILTER (J) AIR 18 X 25 X 1 12/BX	FI10 4002 40
			EA	FILTER (J) AIR DISPOSABLE 16 X 20 X 1	FI10 4000 40
	2		EA	GUN (J) CLEANING BINKS 140B	TL25 4000 40
5	2	4	EA	BUCKET (J) 10 QT RUBBERMAID 2963	JE26 4001 40
			EA	BUCKET (J) GALVANIZED 14 QT.	JE26 4002 40
2	2	4	EA	BUCKET (J) MOP 14 QT W/WRINGER	JE26 4003 40
			EA	BUCKET (J) MOP 26 QT RUBBERMAID #6113	JE26 4007 40
			EA	BUCKET (J) MOP 35 QT RUBBERMAID	JE26 4008 40
			EA	BUCKET (J) PLASTIC 14 QT #2614	JE26 4005 40
			EA	PAN (J) DUST METAL	JE46 4001 40
5	4	4	EA	PAN (J) DUST RUBBERMAID	JE46 4002 40
4			EA	HOSE (J) GARDEN HVY DUTY 3/4" 100 FT. BLACK RUBBER GOOD	PH49 4000 40
		1	EA	HOSE (J) GARDEN HVY DUTY 3/4" 50 FT. BLACK RUBBER GOOD	PH49 4001 40
	1		RL	FILTER ROLL (J) UTILITY GENERATOR TURBO GLASS/POLYESTER	FI10 4003 40
3	3		EA	WASHER (J) HOSE 3/4"	FA60 4000 40
			CS	FILTER (J) AIR INVERTER 16 X 18 X 1 12/BX	FI10 4004 40
			CS	FILTER (J) AIR INVERTER 16 X 20 X 1 12/BX	FI10 4005 40
			RL	FILTER (J) AIR M.E. TURBO MATERIAL GLASS	FI10 4006 40
			BG	ABRASIVE (J) M.E. TURBO WALNUT SHELLS SIZE 12/20 MEDIUM	AB15 4002 40
1		2	EA	MAT (J) CARPET 24" X 36" SHORT PILE DARK COLOR	JE99 4004 40
		2	EA	MAT (J) CARPET 16" X 27"	JE99 4003 40
4	1	2	EA	MAT (J) CARPET 36" X 60" SHORT PILE DARK COLOR	JE99 4005 40
	6		EA	MAT (J) COCOA CCL #2 16" X 27"	JE99 4001 40
4	2	1	EA	NOZZLE (J) HOSE PISTOL GRIP 3/4"	HG45 4000 40
5			EA	ABSORBENT (J) PADS OIL #200 T151 200/BDL 3/16" THICK	AS55 4001 40
1	1	2	RL	PAPER (J) BROWN ROLLS FOR FLOOR 36" X 250'	JE54 4003 40
6	9	1	BX	RAGS (J) MARINE COLOR 100% COTTON WIPING, 50# CT. MIX	JE58 4000 40

SHIPS 90-DAY CONSUMABLE LIST

DEPARTMENT			UOM	DESCRIPTION	ITEM_ID
Deck	Engine	Steward			
3	2		EA	SCOOP (J) PLASTIC FLAT BOTTOM 2 QT.	JE99 4002 40
3			EA	SHOVEL (J) GRAIN/HOG 14" X 17" PLASTIC GRAINGER PN 3Z224	TL25 4031 40
			EA	SHOVEL (J) HAND GALV. 18" O.A.	TL25 4001 40
			EA	SHOVEL (J) SQUARE POINT "D" HANDLE	TL25 4002 40
			EA	SPONGE (J) SCRUBBING HVY DUTY 6"X4"X2"	JE58 4002 40
2	1	1	EA	SQUEEGEE (J) DECK HD 24" GRAINGER # 3A3337	JE22 4023 40
2			EA	SQUEEGEE (J) WINDOW 12"	JE22 4019 40
			EA	SQUEEGEE (J) WINDOW 18"	JE22 4020 40
2	2	2	EA	CAN (J) TRASH HVY DTY 32 GAL RUBBERMAID #3632	CS45 4003 40
3		1	EA	CAN (J) TRASH HVY DTY 55 GAL RUBBERMAID #2655 GRAY	CS45 4004 40
3		1	EA	CAN (J) TRASH HVY DTY 55 GAL RUBBERMAID #2655 YELLOW	CS45 4005 40
		5	EA	CAN (J) TRASH ROOM SIZE 28 QT RUBBERMAID	CS45 4006 40

PAPER AND PLASTIC SUPPLIES

			C	BAG (J) PLASTIC ZIP-LOCK 3" X 5" 4MIL WITH WHITE WRITE-ON	RS18 4004 40
			C	BAG (J) PLASTIC ZIP-LOCK 4" X 6" 4 MIL WITH WHITE WRITE-ON	RS18 4005 40
			C	BAG (J) PLASTIC ZIP-LOCK 6" X 9" 4 MIL WITH WHITE WRITE-ON	RS18 4008 40
			C	BAG (J) PLASTIC ZIP-LOCK 8" X 12" 4 MIL WITH WHITE WRITE-ON	RS18 4009 40
2	1	2	CS	BAG (J) GARBAGE 60 GAL BK60 22 X 16 X 58 1.2 MIL	RS18 4010 40
		1	CS	BAG (J) PLASTIC LINER 5 GAL 500/CS	RS18 4000 40
			CS	BAG (J) PLASTIC 30 GAL 250/CS (1.5 MIL) MEDIUM WEIGHT	RS18 4001 40
			CS	BAG (J) PLASTIC 55 GAL HEAVY WEIGHT	RS18 4002 40
4	4	12	CS	BAG (J) PAPER REFUSE 30 GAL 50/PK PAPER	RS18 4003 40
			CS	WIPERS (J) PAPER SCOTT 5700	JE54 4000 40
	1		RL	SHEETING (J) PLASTIC 4 MIL 36" X 100'	HG75 4001 40
			PK	TAGS (J) MANILA W/WIRE TIES 2.5" X 4.5" 250/PK	OS66 4001 40
		4	CS	TISSUE (J) TOILET 96'S	JE70 4000 40
		2	CS	TOWELS (J) PAPER ROLL INDUST STRENGTH YELLOW BIRCH P	JE54 4004 40
	2	10	CS	TOWELS (J) PAPER ROLLS 30/CS	JE54 4001 40
	1	3	CS	TOWELS (J) PAPER SINGLEFOLD 15/PKG 250/CS	JE54 4002 40

SHIPS 90-DAY CONSUMABLE LIST

DEPARTMENT			UOM	DESCRIPTION	ITEM_ID
Deck	Engine	Steward			
<i>PAINT BRUSHES AND ROLLERS</i>					
1			EA	BRUSH (J) ROUND MARKING 1/2" DIA. CORONA	PS10 4000 40
1			EA	BRUSH (J) ROUND STENCIL 1" DIA. CORONA	PS10 4001 40
			EA	BRUSH (J) ACID 3/8"	PS10 4003 40
15			EA	BRUSH (J) BENT WOOD HANDLE 1" CORONA	PS10 4004 40
			EA	BRUSH (J) BENT WOOD HANDLE 1-1/2" CORONA	PS10 4005 40
15	8		EA	BRUSH (J) BENT WOOD HANDLE 2" CORONA	PS10 4006 40
			EA	BRUSH (J) BENT WOOD HANDLE 2-1/2" CORONA	PS10 4007 40
10			EA	BRUSH (J) BENT WOOD HANDLE 3" CORONA	PS10 4008 40
	8		EA	BRUSH (J) FLAT PAINT 1" CORONA	PS10 4009 40
			EA	BRUSH (J) FLAT PAINT 1 1/2" CORONA	PS10 4010 40
5	6		EA	BRUSH (J) FLAT PAINT 2" CORONA	PS10 4011 40
			EA	BRUSH (J) FLAT PAINT 3" CORONA	PS10 4013 40
			EA	BRUSH (J) FLAT PAINT 4" CORONA	PS10 4014 40
			EA	BRUSH (J) FLAT VARNISH 2" CORONA	PS10 4017 40
			EA	BRUSH (J) FLAT VARNISH 3" CORONA	PS10 4019 40
			EA	BRUSH (J) FLAT VARNISH 4"	PS15 4022 40
			EA	BRUSH (J) STENCIL 3/4" CORONA	PS10 4021 40
			EA	MITT (J) PAINTER	PS99 4000 40
10			EA	COVER (J) ROLLER ARSCO 18" SEALED CORE	PS20 4006 40
10	8		EA	COVER (J) ROLLER ARSCO 4" MAC 40 SEALED CORE	PS20 4000 40
10			EA	COVER (J) ROLLER ARSCO 7" MAC 70 SEALED CORE	PS20 4001 40
10	8		EA	COVER (J) ROLLER ARSCO 9" MAC 90 SEALED CORE	PS20 4002 40
3			EA	FRAME (J) ROLLER 18" SEALED CORE	PS20 4007 40
3	2		EA	FRAME (J) ROLLER 4" MAF 40 SEALED CORE	PS20 4003 40
3			EA	FRAME (J) ROLLER 7" MAF 70 SEALED CORE	PS20 4004 40
3			EA	FRAME (J) ROLLER 9" MAF 90 SEALED CORE	PS20 4005 40
4			EA	POLE (J) ROLLER PAINT EXTENSION 6' WOOD	PS15 4000 40
4			EA	POLE (J) ROLLER PAINT EXTENSION 4' WOOD	PS15 4001 40

MISCELLANEOUS PAINT SUPPLIES

SHIPS 90-DAY CONSUMABLE LIST

DEPARTMENT			UOM	DESCRIPTION	ITEM_ID
Deck	Engine	Steward			
4	4		EA	SCRAPER (J) ALL METAL	PS99 4001 40
2			EA	POLE (J) EXTENSION ALUMINUM 6'-12' #3212	PS15 4002 40
2	1		EA	POLE (J) EXTENSION ALUMINUM 6'-18'	PS15 4003 40
2	2		EA	HAMMER (J) CHIPPING WOOD HANDLE	TL20 4002 40
1		1	EA	KNIFE (J) UTILITY 10-099	TL20 0204 40
1	1	1	PK	BLADE (J) UTILITY KNIFE SPARE 5/PK	TL20 4001 40
2	4		EA	TRAY (J) PAINT PLASTIC 1 GAL CAP	PS30 4001 40
			EA	SCRAPER (J) 5 IN 1 PAINT TOOL CAMBAR CAT. 123 PG. 243	TL20 4003 40
2			EA	SPRAYER (J) HUDSON 63490 GALV. 4 GAL.	PS99 4002 40
5			EA	MESH (J) STEEL FOR PAINT POT	PS99 4003 40

METAL CLEANERS AND PAINT PRODUCTS

			CS	CLEANER(J) PAINT REMOV HANDY-MAN 1/DZ CS SELIG # 038909	CC20 0020 40
			CS	COATING (J) RUST PREVENT LINEBACKER (SELIG 238407) 4 / 1 G	CC20 4008 40
			EA	NONSKID (J) COMPOUND 1 UNIT/5 GAL.	PS99 4004 40
3	1		EA	PAINT (J) SPRAY BLACK	PT45 4001 40
3			EA	PAINT (J) SPRAY BLUE	PT45 4002 40
3			EA	PAINT (J) SPRAY CLEAR	PT45 4007 40
3			EA	PAINT (J) SPRAY FLUORECENT GREEN	PT45 4008 40
3	1		EA	PAINT (J) SPRAY FLUORECENT RED	PT45 4009 40
3			EA	PAINT (J) SPRAY FLUORECENT YELLOW	PT45 4010 40
3			EA	PAINT (J) SPRAY GRAY	PT45 4003 40
3			EA	PAINT (J) SPRAY INTERNATIONAL ORANGE	PT45 4006 40
3			EA	PAINT (J) SPRAY SAFETY RED	PT45 4005 40
3			EA	PAINT (J) SPRAY SAFETY YELLOW	PT45 4004 40
3			EA	PAINT (J) SPRAY WHITE	PT45 4000 40
1			EA	VARNISH (J) SPAR CLEAR EXTERIOR USE W/UV PROTECTION SA	PT75 4000 40

LADDERS

1			EA	LADDER (J) FIBERGLASS SINGLE 14'	HG40 4000 40
1	1		EA	LADDER (J) FIBERGLASS EXTENSION 28'	HG40 4001 40

SHIPS 90-DAY CONSUMABLE LIST

DEPARTMENT			UOM	DESCRIPTION	ITEM_ID
Deck	Engine	Steward			
1	1	1	EA	LADDER (J) STEP 3' FIBERGLASS CLASS 1A 300 LB CAPACITY	HG40 4014 40
			EA	LADDER (J) STEP 3' WOOD CLASS 1A 300 LB CAPACITY	HG40 4008 40
			EA	LADDER (J) STEP 5' FIBERGLASS CLASS 1A 300 LB CAPACITY	HG40 4015 40
			EA	LADDER (J) STEP 5' WOOD CLASS 1A 300 LB CAPACITY	HG40 4009 40
1	1		EA	LADDER (J) STEP 6' FIBERGLASS CLASS 1A 300 LB CAPACITY	HG40 4016 40
			EA	LADDER (J) STEP 6' WOOD CLASS 1A 300 LB CAPACITY	HG40 4010 40
2	1		EA	LADDER (J) STEP 8' FIBERGLASS CLASS 1A 300 LB CAPACITY	HG40 4017 40
			EA	LADDER (J) STEP 8' WOOD CLASS 1A 300 LB CAPACITY	HG40 4011 40
			EA	LADDER (J) WOOD STRAIGHT 12 FT CLASS 1A 300 LB CAPACITY	HG40 4003 40

LIFE SAVING EQUIPMENT

			EA	BUCKET (J) 8 QT. W/LANYARD	CS20 4000 40
			EA	BULB (J) FLASHLIGHT PR-2 2.38V .50AMP	LF15 4024 40
			EA	RING (J) BUOY ORANGE 30" USCG APPD	SE40 4000 40
			EA	OIL (J) ILLUMINATING WATERTIGHT CONTAINER	LU99 4000 40
2			EA	FLASHLIGHT (J) 3 D CELL USCG APPROVED	LF20 4001 40
2			EA	FLASHLIGHT (J) 2 D CELL BRIGHTSTAR 1618	LF20 4000 40
			EA	HATCHET (J) W/LANYARD	TL25 4003 40
	2		EA	JACKKNIFE (J) W/LANYARD	TL25 4004 40
			EA	LIFEJACKET (J) ADULT W/REFLECTIVE TAPE SEWN ON	SE40 4002 40
			EA	LIGHT (J) PFD CYALUME 6075	LF60 4004 40
	1		EA	LIGHT (J) PFD F/LIFE PRES. #L8-2A USCG APPROVED	LF60 4001 40
			EA	MATCHES (J) WATERPROOF CONTAINER	RS46 4000 40
1			EA	PROVISIONS (J) LIFEBOAT 32 OZ.	FD99 4000 40
			RL	TAPE (J) REFLECTIVE F/LIFEJACKET REPAIR	SE40 4017 40
			CS	WATER (J) FOR LIFEBOAT 10 2/3 OZ 24/CS	FD99 4001 40
			EA	WHISTLE (J) W/LANYARD	SE40 4006 40

PYROTECHNICS

			EA	FLARE (J) HAND HELD ROCKET	SE40 4010 40
			EA	FLARE (J) RED HAND HELD USCG APPROVED WW611	SE40 4012 40

SHIPS 90-DAY CONSUMABLE LIST

DEPARTMENT			UOM	DESCRIPTION	ITEM_ID
Deck	Engine	Steward			

FIRE FIGHTING EQUIPMENT

			EA	AXE (J) PICK HEAD FIRE 36"	TL25 4006 40
25			FT	CHAIN (J) BRASS JACK	HM35 4001 40
6			EA	GASKET (J) FIREHOSE 1 1/2" HOSE	PG60 4000 40
6			EA	GASKET (J) FIREHOSE 2 1/2" HOSE	PG60 4001 40
			EA	HOSE (J) FIRE 1 1/2" X 50' NST UL BRASS PIN LUG	PH19 4000 40
1			EA	HOSE (J) FIRE 1-1/2" X 75' NST UL BRASS/PIN LUG	PH19 4002 40
			EA	HOSE (J) FIRE 2-1/2" X 50' NST UL BRASS/PIN LUG	PH19 4003 40
1			EA	HOSE (J) FIRE 2 1/2" X 75' NST UL BRASS PIN LUG	PH19 4001 40
1	1		EA	NOZZLE (J) WASHDOWN 1-1/2" MCMASTER 6469T36	SE20 4004 40

SAFETY EQUIPMENT

			EA	CHIN STRAP (J) FOR HARD HAT	SE25 4002 40
			BX	MASK (J) DUST MIST, PARTICLE NON-TOXIC 20/BX 3M 8710	SE45 4003 40
1	3		BX	EAR PLUG (J) WITH CORDS 100/BX MAXLITE NRR30	SE10 4001 40
1	1		GAL	EYE WASH (J) SOLUTION REFILL	SE10 4003 40
5	2		EA	FACE SHIELD (J) HEAD BAND BRACKET HK	SE15 4001 40
7	12		EA	FACE SHIELD (J) CLEAR 3440V	SE15 4000 40
5			EA	HARNESS (J) FULL-BODY, SINGLE D-RING ROSE 502720	SE25 4001 40
	2	4	BX	GATORADE (J) 8.5 OZ POWDER MIX PKS 20/BX	FD30 0001 40
	1		EA	GOGGLES (J) BURNING #5 LENS OKI BEARING WS80	SE50 4002 40
5	6		EA	GOGGLES (J) CHIP-GRIND-CHEM SPLASH PROTECTION UVEX	SE50 4001 40
4	6		EA	HAT (J) HARD WHITE MAVERICK MAVHAT	SE30 4000 40
			EA	CAP (J) HEARING PROTECTION CANAL H LEIGHT QB2	SE30 4001 40
6	1		EA	PROTECTOR (J) HEARING EAR MUFF WILSON NRR28	SE10 4002 40
1			BX	CARTRIDGE (J) ORGANIC VAPOR 3M 6001	SE45 4002 40
			EA	PREFILTER (J) 3M 5010	SE45 4004 40
3	6		EA	RESPIRATOR (J) DISP FOR WELD FUMES AND NUISANCE VAPO	SE45 4022 40
			EA	RINGS (J) RETAINER 3M 501	SE45 4023 40
12	6		EA	GLASSES (J) SAFETY CLEAR UVEX 3000 #135	SE50 4005 40

SHIPS 90-DAY CONSUMABLE LIST

DEPARTMENT			UOM	DESCRIPTION	ITEM_ID
Deck	Engine	Steward			
3			EA	VEST (J) REFLECTIVE NYLON MESH SERVICE & MATERIAL FVIYR	SE25 4004 40

GASKETS AND TAPE

	1		EA	FORM-A-GASKET (J) 1 PT AVIATION 3D	PG99 4000 40
			EA	ELIMINATOR (J) GASKET (PERMATEX)	PG99 4012 40
			EA	GASKET MAKER (J) SILICONE RTV (SELIG 032505) 1 DZ 10 OZ CA	CC15 4005 40
			FT	RUBBER (J) SHT,GASKET MATERIAL 36"W 1/16	PG60 4002 40
	6		FT	FIBER (J) SHT.GASKET MATERIAL 36"W 1/16"	PG40 4000 40
	6		FT	RUBBER (J) SHT,GASKET MATERIAL 36"W 1/8	PG60 4003 40
	6		FT	FIBER (J) SHEET,GASKET MATERIAL 36"W,1/8	PG40 4001 40
			EA	MATERIAL (J) GASKET HIGH TEMP/STEAM 1/16 50" X 50" SHEET	PG45 4000 40
			EA	MATERIAL (J) GASKET HIGH TEMP/STEAM 1/8 50" X 50" SHEET	PG45 4001 40
			EA	NUT (J) LOCK ADHESIVE 1.69 OZ.	PG99 4003 40
	1		EA	LOCTITE (J) 609	PG99 4013 40
			EA	LOCTITE (J) PRIMER	PG99 4014 40
	1		EA	LOCTITE (J) F/MAKING O-RING,80851 PERMATEX	PG99 4005 40
	4		EA	FORM-A-GASKET (J) SILICONE BLUE 12 OZ	PG99 4006 40
4	12		EA	SILICONE (J) CLEAR	PG99 4007 40
			EA	SILICONE (J) RED FORM-A-GASKET 12 OZ	PG99 4008 40
4	1	4	EA	TAPE (J) MASKING 3" X 60 YD	HG10 4000 40
			EA	TAPE (J) PACKING 2" FILAMENT	HG10 4001 40
1	4		EA	TAPE (J) TEFLON 1/2" X 520"	HG10 4002 40
	4		EA	TAPE (J) TEFLON 3/4" X 520"	PG65 4000 40
6	4		EA	TAPE (J) DUCT 2" X 60 YD.	HG10 4003 40
2	2		EA	TAPE (J) DUCT 3" X 60 YD.	HG10 4004 40
			EA	TAPE (J) ELECT 3/4"X66' SCOTCHSUPER #88	HG10 4006 40
			EA	TAPE (J) ELECT GLASS CLOTH 3/4"X66' #27	HG10 4007 40
1	6		EA	TAPE (J) ELECTRICAL 3/4" X 66' SCOTCH 33	HG10 4005 40
4			EA	TAPE (J) MASKING 1" X 60 YD.	HG10 4009 40
4	4		EA	TAPE (J) MASKING 2" X 60 YD.	HG10 4010 40
	3		EA	SEALANT (J) THREAD 1 PT W/BRUSH #14D	PG99 4009 40

SHIPS 90-DAY CONSUMABLE LIST

DEPARTMENT			UOM	DESCRIPTION	ITEM_ID
Deck	Engine	Steward			

LUBRICANTS AND LUBRICATION EQUIPMENT

2	2		EA	GUN (J) GREASE ALEMITE 4041 B	FT42 4001 40
1	2		CS	ANTISEIZE (J) LUBRICANT NO GRAB (SELIG 220005) 12/ 8 OZ CA	CC25 4001 40
	3		EA	WAX (J) BEES COMM'L GRADE 1 LB.	RE99 4000 40
1	1		CS	COATING (J) GALVANITIZING ZINC RICH 16OZ	CC90 4000 40
			EA	FITTING (J) GREASE HYD STRAIGHT 1/4 NPT 1627	FT42 4005 40
			EA	FITTING (J) GREASE HYD STRAIGHT 1/8 NPT 1610	FT42 4006 40
			EA	FITTING (J) GREASE HYD 90 EL 1/4 NPT 1629-B	FT42 4007 40
			PAIL	GREASE (J) EP-2 35# PAIL	LU15 4000 40
			EA	FITTING (J) GREASE BUTTONHEAD 1/4" A1186	FT42 4009 40
			EA	FITTING (J) GREASE BUTTONHEAD 1/8" A1184	FT42 4010 40
			EA	FITTING (J) GREASE 45* 1/8" #A-684 PIN TYPE	FT42 4011 40
			EA	GREASE (J) SILICONE DOW 111 16 OZ TUBE	LU15 4010 40
1			EA	GREASE (J) WHITE 35# PAILS LITHIUM BASE	LU15 4004 40
	1		CS	LUBRICANT (J) CUTTING OIL 19-SX-93 (SELIG 241011) 5 GALS PE	LU20 0008 40
			CS	LUBRICANT (J) ENVIRO MASTER MECH AERO (SELIG 035109) 1	LU20 4012 40
			CS	LUBRICANT (J) O-RING LOCTITE OR DOW CORNING 5-OZ TUBE	PG99 4010 40
	4		CS	LUBRICANT (J) MOLYKOTE SPRAY	LU10 4001 40
6	12		CS	LUBRICANT (J) PB BLASTER 16 OZ AEROSOL	LU20 4000 40
			EA	LUBRIPLATE (J) CARTRIDGE	LU15 4007 40
	2		EA	MOLYCOTE (J) G/N PASTE 17.5 OZ. UNIT	LU20 4003 40
			DR	OIL (J) FISH 55 GAL. DRUM	LU20 4009 40
2	2		GAL	OIL (J) MYSTERY #014 1 GAL.	LU20 4010 40
			EA	OILER (J) 1/2 PT.	CS30 4000 40
2	2		EA	PUMP (J) OILER 1 PT.	PC50 4000 40
			EA	DIE MARK (J) PRUSSIAN BLUE 3/4 TUBE #35V	CC40 4000 40
2			PAIL	LUBRICANT (J) WIRE 35# PAIL	LU15 4001 40

ELECTRICAL SUPPLIES AND LAMPS

			CS	BULB (J) NAVIGATION FILAMENT 50/50 120V	LF15 4026 40
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SHIPS 90-DAY CONSUMABLE LIST

DEPARTMENT			UOM	DESCRIPTION	ITEM_ID
Deck	Engine	Steward			
			CS	BULB (J) ROUGH SERVICE 60W SYLVANIA	LF15 4028 40
			BX	CONNECTOR (J) BUTT 12-10 100/BX	EL74 4000 40
			BX	CONNECTOR (J) BUTT 16-14 100/BX	EL74 4001 40
			BX	CONNECTOR (J) BUTT 22-18 100/BX	EL74 4002 40
			CS	CHEMICAL (J) CRC ZINC IT	CC70 4000 40
	3		CS	CLEANER (J) CONTACT SPRAY LECTRON 2020 (SELIG 032909) 1	CC75 4004 40
	50		FT	CORD (J) PORTABLE 14/3 SO	EL10 4001 40
			EA	DUXSEAL (J) 1 LB.	EL18 4008 40
			EA	CORD (J) EXTENSION HD3 PRG50 NON STICK	EL34 4000 40
			EA	CORD (J) EXTENSION H.D. 3 PRONG 50' NON-STICK 220V 2-PR	EL34 4002 40
	2		EA	CORD (J) EXTENSION H.D.2-PRONG 100' 220V EUROPEAN STYLE	EL34 4003 40
			EA	CORD (J) EXTENSION H.D. 3 PRONG 100'	EL34 4001 40
			EA	LIGHT (J) EXT. 5025-SRG MCGILL 120V 100W 25' STRAIGHT BL	LF30 4017 40
			EA	GLOBE (J) WT CLEAR 3 5/16 DIA X 5"	LF35 4001 40
			EA	GLOBE (J) WT CLEAR 3 5/16 DIA X 6"	LF35 4002 40
			EA	GUARD (J) BRASS 6" OCEANIC 517	LF40 4001 40
			EA	INSULATION (J) HEAT SHRINK 1/16 DIA 4' LENGTH	EL66 4000 40
			EA	INSULATION (J) HEAT SHRINK 1/2 DIA 4' LENGTH	EL66 4001 40
			EA	INSULATION (J) HEAT SHRINK 1/4 DIA 4' LENGTH	EL66 4002 40
			EA	INSULATION (J) HEAT SHRINK 1/8 DIA 4' LENGTH	EL66 4003 40
			EA	INSULATION (J) HEAT SHRINK 3/8 DIA 4' LENGTH	EL66 4004 40
			EA	INSULATION (J) VARNISH SPRAY RED GLYPTOL3M 1602	PT40 4000 40
			CS	LAMP (J) CIRCLINE FC8T9/CW 4 PIN 22W COOL WHITE	LF30 4000 40
	12		CS	LAMP (J) FLUORESCENT F20/T12 BI PIN 24/CASE	LF15 4030 40
	12		CS	LAMP (J) FLUORESCENT F40/CW BI PIN 30/CASE	LF15 4032 40
			CS	LAMP (J) FLUORESCENT F48/T12 (30/CS) SINGLE PIN	LF15 4033 40
			CS	LAMP (J) INCANDESCENT 100W 120V 100A 19/RS E27 MED SCR	LF15 4035 40
			CS	LAMP (J) INCANDESCENT 100W A19 220V 100 RS E27 MEDIUM SC	LF15 4048 40
			CS	LAMP (J) INCANDESCENT 300W 120V MOGAL BASE 24/CS	LF15 4049 40
			CS	LAMP (J) INCANDESCENT 40W A19 40A 220V RS 120/CS	LF30 4005 40

SHIPS 90-DAY CONSUMABLE LIST

DEPARTMENT			UOM	DESCRIPTION	ITEM_ID
Deck	Engine	Steward			
			CS	LAMP (J) INCANDESCENT 50W A19 501/RS 120V 120/CS	LF15 4006 40
			CS	LAMP (J) INCANDESCENT 50W A19 220V501/ RS 120/CS	LF30 4020 40
	3		CS	LAMP (J) INCANDESCENT 60W A19 130V 120/CS	LF15 4008 40
			CS	LAMP (J) INCANDESCENT 60W A19 220V 120/CS	LF15 4050 40
			CS	LAMP (J) INDICATOR 3080 24V 5W E14 2 1/4 X 1/2 DIA	LF30 4011 40
			CS	LAMP (J) INDICATOR #44 6.3V .25A MIN SC BAYONET (100/CS)	LF30 4007 40
			BX	LAMP (J) INDICATOR GE 1819 100/CS	LF15 4016 40
			CS	LAMP (J) MERCURY HR400DX33 400W E40 (MOGUL SCREW) G	LF30 4014 40
			CS	LAMP (J) QUARTZ HALOGEN 500T3Q/CL 120V 500W RECESSED	LF30 4016 40
			EA	EXTENSION (J) LIGHT FLUORESCENT 50 FT.	EL50 4003 40
			EA	LUG (J) CONNECTOR STA-KON 2RA18 (100/PK) INSULATED	EL26 4005 40
			BX	LUG (J) TERMINAL STAKON A18-10 NON-INSULATED (100/PK)	EL26 4008 40
			BX	LUG (J) TERMINAL STAKON RC1014 INSULATED (100/PK)	EL26 4012 40
			BX	LUG (J) TERMINAL STAKON C10-10 NON-INSULATED (100/PK)	EL26 4014 40
			EA	PLUG (J) MIPCO 32A 440V 333FC	EL50 4001 40
			EA	PLUG (J) MIPCO 32A 440V 333MP	EL50 4002 40
			EA	SEALANT (J) SILICONE ELEC GRADE GE RTV 122 10.3 OZ TB	CC50 4001 40
	48		EA	STARTER (J) FS-2 FOR 14,15 & 20W NEOSTART STARTER	EL70 4000 40
			EA	STARTER (J) FS-20 14,15,20 WATT MANUAL RESET STARTER	EL70 4001 40
	48		EA	STARTER (J) FS-4 FOR 13,30 & 40 WATT NONSTART STARTER	EL70 4002 40
			PK	TIES (J) CABLE 11" NATURAL 100/PK	EL82 4004 40
	2		PK	TIES (J) CABLE 12" BLACK 100/PK	EL82 4005 40
			PK	TIES (J) CABLE 15" NATURAL 100/PK	EL82 4006 40
			PK	TIES (J) CABLE 4" NATURAL 100/PK	EL82 4007 40
			PK	TIES (J) CABLE 5.5" NATURAL 100/PK	EL82 4008 40
	2		PK	TIES (J) CABLE 7.5" BLACK 100/PK	EL82 4009 40
			PK	TIES (J) CABLE 7.5" NATURAL 100/PK	EL82 4010 40
			EA	TUBE (J) TERMINAL 1/2" MALE	EL26 4015 40
			EA	TUBE (J) TERMINAL 3/4" MALE	EL26 4016 40
	2		PK	MARKER (J) WIRE POCKET PACK 0-9	EL82 4003 40

SHIPS 90-DAY CONSUMABLE LIST

DEPARTMENT			UOM	DESCRIPTION	ITEM_ID
Deck	Engine	Steward			
			BX	NUT (J) WIRE IDEAL 71B (100/PK)	EL26 4017 40
			BX	NUT (J) WIRE IDEAL 72B (100/PK)	EL26 4018 40
			BX	NUT (J) WIRE IDEAL 73B (100/PK)	EL26 4019 40
			BX	NUT (J) WIRE IDEAL 74B (100/PK)	EL26 4020 40
			BX	NUT (J) WIRE IDEAL 76B (100/PK)	EL26 4021 40

BATTERIES

			EA	BATTERY (J) 6V ALKALINE SCREW TERM DTD	BA10 4006 40
			EA	BATTERY (J) 6V ALKALINE SPRING TERMINAL	BA10 4007 40
			EA	BATTERY (J) 9V ALKALINE	BA10 4002 40
48	24		EA	BATTERY (J) AA ALKALINE	BA10 4003 40
48			EA	BATTERY (J) AAA ALKALINE	BA10 4004 40
72	72		EA	BATTERY (J) C CELL	BA30 4003 40
72	36		EA	BATTERY (J) D ALKALINE	BA10 4001 40
12	12		EA	BULB (J) FLASHLIGHT PR3	LF15 4047 40
5			EA	FLASHLIGHT (J) MINI RAY-O-VAC	LF20 4011 40
			EA	FLASHLIGHT (J) NON HAZADOUS BS1925 3 CELL USCG	LF20 4004 40
12	6		EA	FLASHLIGHT (J) 2 D CELL ORANGE # 2117	LF20 4006 40
3			EA	FLASHLIGHT (J) 3 D CELL WATERPROOF	LF20 4009 40
1			EA	TESTER (J) HYDROMETER BATTERY W/SYRINGE	BA25 4000 40
3			EA	LANTERN (J) SAFETY 6V EVEREADY 459	LF45 4002 40

HARDWARE GENERAL

2	2		BG	CONCRETE (J) READY MIX 40#	CC30 4003 40
			LB	LOCKWIRE (J) STAINLESS STEEL 16 GAUGE	HG10 4021 40
			LB	LOCKWIRE (J) STAINLESS STEEL 20 GAUGE	HG10 4022 40
			EA	MEASURE (J) FLEX-SPOUT 1 PT	HG99 4001 40
			EA	MEASURE (J) FLEX-SPOUT 1 QT	HG99 4002 40
5	2		EA	PLYWOOD (J) 3/8" X 4' X 8' CDX	LB40 4000 40
	12		EA	CYLINDER (J) PROPANE DISPOSABLE	FL40 4000 40
	1		EA	KIT (J) PROPANE TORCH	WS99 4000 40

SHIPS 90-DAY CONSUMABLE LIST

DEPARTMENT			UOM	DESCRIPTION	ITEM_ID
Deck	Engine	Steward			
8			EA	GUARD (J) RAT 36"	CC99 4001 40
			EA	NEEDLE (J) SAIL	RE30 4000 40
			EA	TWINE (J) SAIL WAXED LB	HM50 4003 40
			EA	TWINE (J) SAIL WAXED LB	RE30 4002 40
			EA	WIRE (J) SEIZING (5 LB.)	HG10 4023 40
2	2		EA	SPRAYER (J) 3 GAL MANUAL PUMP #4Z398 GRAINGER	HG99 4003 40
			EA	STAMP SET (J) METAL PUNCH 1/4 NUMBERS & LETTERS	TL20 4006 40
	1		EA	STAMP SET (J) METAL PUNCH 3/16 NUMBERS & LETTERS	TL20 4007 40
1	1		EA	STENCIL (J) LETTERS & NUMBERS 2"	HG65 4001 40
			EA	TRAP (J) RAT	CC99 4002 40

ABRASIVES

1	1		RL	CLOTH (J) ABRASIVE 2"X50 YD CROCUS	AB10 4007 40
1	1		RL	CLOTH (J) ABRASIVE BELT 2" X 50 YD 100 G	AB10 4000 40
1	1		RL	CLOTH (J) ABRASIVE BELT 2" X 50 YD 120 G	AB10 4001 40
1	1		RL	CLOTH (J) ABRASIVE BELT 2" X 50 YD 180 G	AB10 4002 40
1	1		RL	CLOTH (J) ABRASIVE BELT 2" X 50 YD 240 G	AB10 4003 40
1			RL	CLOTH (J) ABRASIVE BELT 2" X 50 YD 400 G	AB10 4008 40
1			RL	CLOTH (J) ABRASIVE BELT 2" X 50 YD 80 G	AB10 4006 40
	2		EA	BLADE (J) CHOP SAW 14" X 3/32 X 1" ARBOR	TL25 4032 40
4	4		EA	BRUSH (J) CUP 4" KNOTTED 5/8-11 ARBOR GRAINGER 5X891	AB35 0035 40
			EA	BRUSH (J) MOUNTED 1-1/8 KNOTTED 1/4 SHNK	AB35 0036 40
4	4		EA	BRUSH (J) WHEEL 6" KNOTTED 5/8-11 ARBOR	AB35 0037 40
			EA	CLOTH (J) CROCUS 9" X 11"	AB25 4001 40
			EA	DISC (J) SAND 4-1/2X 1/4X 7/8 A24N METAL	AB20 4002 40
			EA	DISC (J) SANDING 4 X 1/4 X 3/8 24 GRIT	AB20 4009 40
			EA	DISC (J) SANDING 4 X 1/4 X 5/8 24 GRIT	AB20 4010 40
			EA	DISC (J) SANDING 4 X 1/4 X 1/4 24 GRIT	AB20 4011 40
			EA	DISC (J) SANDING 7 X 1/4 X 7/8 A 24N MET	AB20 4012 40
			EA	DISC (J) SAND 7 X 7/8 FIBRE BACK 16 GRIT	AB20 4000 40
			EA	DISC (J) SAND 7 X 7/8 FIBRE BACK 36 GRIT	AB20 4001 40

SHIPS 90-DAY CONSUMABLE LIST

DEPARTMENT			UOM	DESCRIPTION	ITEM_ID
Deck	Engine	Steward			
			CN	CLOVER (J) GRINDING COMPOUND 1# GRADE A THRU J	AB20 4008 40
			BG	SANDBLASTER (J) BEAD BLAST #50 GLASS SHT BEAD 31611 MS-	AB15 4003 40
1			EA	SANDPAPER (J) 9"X11" COURSE (80 GRIT)	AB30 4006 40
1			EA	SANDPAPER (J) 9"X11" FINE (100 GRIT)	AB30 4007 40
1			EA	SANDPAPER (J) 9"X11" MEDIUM (T)	AB30 4008 40

ADHESIVES AND METAL COMPOUNDS

			EA	ADHESIVE (J) CLEAR DOW 739	CC15 4006 40
			EA	ADHESIVE (J) PLIOBOND	CC15 4001 40
1	3		EA	BELZONA (J) MOLECULAR SUPER METAL 1 KG	CC30 4004 40
1			EA	CEMENT (J) CONTACT CON BOND 1 QT #985	CC15 4002 40
	3		EA	CORDOBOND (J) STRONG BACK STD 1LB RESIN (WITH CLOTH)	CC30 4000 40
			EA	STEEL (J) PLASTIC DEVCON "B"	CC30 4001 40
			EA	STEEL (J) PLASTIC DEVCON "A"	CC30 4002 40
1	3		EA	PUTTY (J) DEVCON UW 1 LB	CC30 4005 40
2	2		EA	PASTE (J) FILLER RED HAND "A" 1 QT CAN	CC70 4001 40
2	2		EA	PASTE (J) RED HAND FILLER "B" 1 QT CAN	CC70 4002 40
1			EA	PASTE (J) WATER FINDING 3 OZ TUBE	CC85 4000 40
			EA	SEALANT (J) DOW 737 BLACK	CC15 4007 40
1	1		EA	SEALANT (J) SILICONE ELEC GRADE GERTV12210.3 OZ TUBE	CC50 4002 40
1			EA	ADHESIVE (J) SUPER GLUE 1 OZ #80092 PERMATEX	CC15 4003 40

CLAMPS AND FASTENERS

6	6		EA	CLAMP (J) HOSE WORM DRIVE SS SIZE 08 7/16 TO 1"	HG20 4000 40
6	6		EA	CLAMP (J) HOSE WORM DRIVE SS SIZE 16 3/4 TO 1 1/2"	HG20 4001 40
6	6		EA	CLAMP (J) HOSE WORM DRIVE SS SIZE 28 1 3/8 TO 2 1/4"	HG20 4002 40
2			EA	CLAMP (J) HOSE WORM DRIVE SS SIZE 40 2 1/8 TO 3"	HG20 4003 40
2			EA	CLAMP (J) HOSE WORM DRIVE SS SIZE 52 2 7/8 TO 3 3/4"	HG20 4004 40
2			EA	CLAMP (J) HOSE WORM DRIVE SS SIZE 64 3 1/2 TO 4 1/2"	HG20 4005 40
3	4		EA	HOOK (J) SNAP EYE BTASS HALYARD	FA15 4000 40
2			LB	NAIL (J) COMMON 10D	FA20 4000 40

SHIPS 90-DAY CONSUMABLE LIST

DEPARTMENT			UOM	DESCRIPTION	ITEM_ID
Deck	Engine	Steward			
2			LB	NAIL (J) COMMON 16D	FA20 4001 40
2			LB	NAIL (J) COMMON 20 D	FA20 4003 40
3			EA	PADLOCK (J) COMBINATION RESETTABLE MASTER	HG45 4005 40
3			EA	PADLOCK (J) BRASS W/STL SHACKLE 1 1/2" <TC>	HG45 4002 40
3			EA	PADLOCK (J) BRASS W/STL SHACKLE 1 3/4" <TC>	HG45 4003 40

MISCELLANEOUS TOOLS

	12		EA	BLADE (J) HACKSAW H.S. STEEL 12"-14T	TL25 4009 40
	12		EA	BLADE (J) HACKSAW H.S. STEEL 12" 18T	TL25 4010 40
	12		EA	BLADE (J) HACKSAW H.S. STEEL 12" 24T	TL25 4030 40
			EA	BLADE (J) BAND SAW SANDVIK 5' 4-1/2" X 1/2" X .025" 18 TEETH	TL25 4033 40
			EA	BLADE (J) BAND SAW SANDVIK 5' 4-1/2" X 1/2" X .025" 24 TEETH	TL25 4034 40
2	2		EA	GUN (J) CAULKING CARTRIDGE TYPE	TL25 4011 40
			EA	HOSE (J) AIR 1" X 50' 250 LB.	PH13 4000 40
2	1		EA	HOSE (J) AIR 1/2" X 50' 250 LB.	PH13 4001 40
			EA	HOSE (J) AIR 3/4" X 50' 250 LB.	PH13 4002 40
2			EA	DRIVER (J) NEEDLE #834045 FOR CLECO SCALER BC1	TL25 4026 40
2			EA	HOLDER (J) NEEDLE #834046-5 FOR CLECO SCALER BC1	TL25 4027 40
60			EA	NEEDLE (J) FOR CLECO SCALER BC1 7"	TL25 4025 40
			EA	BAR (J) PRY 60"	TL20 4005 40
1			EA	SCALER (J) PNEUMATIC CLECO BC-1	TL10 4000 40
4			EA	BUSHING (J) SCREEN #841553-1 FOR CLECO SCALER BC1	TL25 4028 40
4			EA	SPRING (J) THROTTLE VALVE #832078-0 FOR CLECO SCALER	TL25 4029 40

MEASURING DEVICES

			EA	BOB (J) FOR CONSTRICTED PIPE STARRETT 515B	TL25 4035 40
	1		EA	BOB (J) OUTAGE FOR SOUNDING TAPE	TL25 4014 40
			EA	BOB (J) OUTAGE FOR SOUNDING TANK STARRETT 515F	TL25 4037 40
1			EA	TAPE (J) SOUNDING 30M STARRET C507MCB30 METRIC/ENGLISH	TL25 4016 40
1			EA	TAPE (J) SOUNDING REFILL 30 MTR	TL25 4017 40
			EA	BOB (J) TANK GAUGING BRASS OUTAGE 16 OZ	TL25 4019 40

SHIPS 90-DAY CONSUMABLE LIST

DEPARTMENT			UOM	DESCRIPTION	ITEM_ID
Deck	Engine	Steward			
	1		EA	TAPE (J) TANK GAUGING 15 METER REEL STARRETT C507MC	TL25 4038 40
	1		EA	TAPE (J) TANK GAUGING REFILL 15 METER STARRETT	TL25 4039 40
			EA	TAPE (J) RULE AUTOLOK 10FT 3M	TL25 4020 40
	2		EA	TAPE (J) RULE AUTOLOK 16FT 5M	TL25 4021 40
1			EA	TAPE (J) GAUGING 1/2" X 30M/100FT	TL25 4022 40

WELDING SUPPLIES

			FT	CABLE (J) FT WELDING 2/0 COPPER 50 FT	EL10 4006 40
			EA	CONNECTOR (J) CABLE WELDING NEOPRENE COVERED FEMALE	EL10 4007 40
			EA	CONNECTOR (J) CABLE WELDING NEOPRENE COVERED MALE	EL10 4008 40
			EA	LIGHTER (J) GAS TORCH FLINT	WS62 4000 40
			EA	FLINT (J) GASS TORCH LIGHTER	WS62 4001 40
	1		EA	CLEANER (J) GASS TORCH TIP	WS66 4000 40
	2		PAIR	GLOVE (J) WELDING LEATHER LONG SIZE LARGE	WS42 4000 40
	1		EA	HAMMER (J) CHIPPING SPRING HANDLE	WS14 4000 40
			EA	END (J) HOSE 1/4"X3/8" OXY & ACET	FT18 4003 40
	2		EA	LENS (J) REPL F/WELDING HOOD 2" X 4 1/2" CLEAR PROTECTIVE	WS46 4001 40
			EA	LENS (J) REPL F/WELDING HOOD 2" X 4 1/2" SHADE 10	WS46 4002 40
	2		EA	LENS (J) REPL F/WELDING HOOD 2" X 4 1/2" SHADE 12	WS46 4003 40
			EA	LENS (J) REPL F/GAS WELDING GOGGLES CLEAR	WS46 4004 40
			EA	LENS (J) REPL F/GAS WELDING GOGGLES SHADE 5	WS46 4005 40
			EA	LENS (J) REPLACEMENT, CLEAR 50MM #EL-GL	SE50 4003 40
			EA	LENS (J) REPLACEMENT SHADE #5 EL-FSH	SE50 4004 40
	1		EA	HELMET (J) WELDING FIBERGLASS LIFT FRONT WILLSON FCF	WS30 4000 40

REFRIGERATION EQUIPMENT

			EA	LINE (J) CHARGING & TEST MANIFOLD 36" BLUE	TE40 4000 40
			EA	LINE (J) CHARGING & TEST MANIFOLD 36" RED	TE40 4001 40
			EA	LINE (J) CHARGING & TEST MANIFOLD 36" YELLOW	TE40 4002 40
	1		EA	LINE (J) CHARGING & TEST MANIFOLD W/3 36" COLOR CODED C	TE40 4003 40
			EA	DETECTOR (J) HALIDE TORCH R12 LEAK	TE40 4005 40

SHIPS 90-DAY CONSUMABLE LIST

DEPARTMENT			UOM	DESCRIPTION	ITEM_ID
Deck	Engine	Steward			

CORDAGE AND RIGGING SUPPLIES

2			RL	MANILA (J) 1"DIA 600' FOR LIFEBOATS	HW10 4000 40
1			RL	MANILA (J) 1/2" DIA 600'	HW25 4000 40
1			RL	MANILA (J) 1/4 DIA 1200'	HW25 4001 40
1	1		RL	MANILA (J) 3/8 DIA 600'	HW25 4002 40
1			RL	POLYPRO (J) 3/8" DIA 600' ORANGE	HW20 4003 40
1			RL	POLYPRO (J) 3/8" DIA 600' YELLOW	HW20 4004 40
1			RL	MANILA (J) 5/8 DIA 600'	HW25 4004 40
2	2		EA	CLOTH (J) DROP 9'X12' CANVAS	HM50 4001 40
2			EA	FID (J) WOODEN 6"	RE74 4002 40
2			EA	PASTE (J) KOLOR KUT WATER FINDING	TE40 4007 40
			EA	MATLINE(J) TARRED	HM50 4002 40
6			EA	SHACKLE (J) SCREW PIN ANCHOR 1 INCH CROSBY G-209	HM10 4000 40
3	2		EA	SLING (J) NYLON WEB 2" X 6'	RE58 4000 40
3	2		EA	SLING (J) NYLON WEB 2" X 8'	RE58 4001 40
3			EA	SLING (J) WIRE ROPE 1/4 X 5'	RE58 4003 40
3			EA	SLING (J) WIRE ROPE 5/8 X 5'	RE58 4005 40

CLOTHING

6			EA	BOOT (J) RUBBER KNEE SIZE 10 (RED BALL)	CA15 4000 40
6			EA	BOOT (J) RUBBER KNEE SIZE 11 (RED BALL)	CA15 4001 40
6			EA	BOOT (J) RUBBER KNEE SIZE 12 (RED BALL)	CA15 4002 40
6			EA	BOOT (J) RUBBER KNEE SIZE 13 (RED BALL)	CA15 4003 40
6			EA	BOOT (J) RUBBER KNEE SIZE 8 (RED BALL)	CA15 4004 40
6			EA	BOOT (J) RUBBER KNEE SIZE 9 (RED BALL)	CA15 4005 40
			BX	COVERALL (J) EXTRA-LARGE, DISPOSABLE	CA25 4001 40
			BX	COVERALL (J) DISPOSABLE SIZE LARGE	CA25 4000 40
6			EA	COVERALL (J) HOODED F/CHEMICAL PROTECTION	CA25 4002 40
24	6		PR	GLOVES (J) COTTON WORK W/BLACK PVC DOTS WASHABLE GR	CA30 4006 40
4			EA	GLOVES (J) CHEMICAL RESISTANT SAFETY PRODUCTS "THE B	CA30 4007 40

SHIPS 90-DAY CONSUMABLE LIST

DEPARTMENT			UOM	DESCRIPTION	ITEM_ID
Deck	Engine	Steward			
4	2		EA	GLOVES (J) CHEMICAL XYLENE RESISTANT SILVER SHIELD GR	CA30 4008 40
6	1		DZ	GLOVE (J) COTTON WORK W/KNITWRIST #208	CA30 4000 40
4	1		EA	GLOVE (J) H.D. NEOPRENE SIZE 10 N36	CA30 4001 40
8	1	1	DZ	GLOVE (J) LEATHER PALM #122D	CA30 4002 40
4			EA	GLOVE (J) NEOP.CHEM./ACID RESISTANT #NL34M	CA30 4003 40
4		12	EA	GLOVE (J) RUBBER PLAYTEX LG. #8326	CA30 4005 40
4			EA	GLOVE (J) WELDER ALL LEATHER GAUNTLET #200	WS42 4001 40
4	3		EA	PAD (J) KNEE	CA15 4006 40
8	4		EA	SUIT (J) RAIN COMPLETE YELLOW LARGE RIVER CITY 200-3	CA20 4000 40
8			EA	SUIT (J) RAIN COMPLETE YELLOW MEDIUM RIVER CITY 200-3	CA20 4001 40
8	2		EA	SUIT (J) RAIN COMPLETE YELLOW XLARGE RIVER CITY 200-3	CA20 4003 40

SHIPS 180-DAY CONSUMABLE LIST

DEPARTMENT			UOM	DESCRIPTION	ITEM_ID
Deck	Engine	Steward			

SOAPS, CLEANERS AND CLEANSERS

12	12		PAIL	DEGREASER (J) SOLVENT 140-SX-90 (SELIG 218711) 5 GALS PER	JE38 4006 40
1	1	12	CS	BLEACH (J) LIQUID (SELIG 273207) 4/1 GAL PER CASE	JE10 4004 40
	6		CS	CLEANER (J) DRAIN FORMULA-0 98 (SELIG 217709) 1 DZ/ 20 OZ	JE30 0023 40
		4	CS	CLEANER (J) FLOOR LIQUID-NEUTRO-JEL (SELIG 094507) 4/1 GAL	JE30 0024 40
			PAIL	CLEANER (J) FLOOR LIQUID-NEUTRO-JEL (SELIG 094511) 5 GAL	JE30 0021 40
		8	CS	CLEANER (J) GERMICIDIAL GERMAWAY (SELIG 301002) 12/ 1 QT	JE10 0006 40
3		8	CS	CLEANER (J) GLASS GLASHINE (SELIG 209403) 12/1 QT BTLS P	JE30 4009 40
2			CS	CLEANER (J) HAND SOAP GABE'S GRIT (SELIG 254070) 9/2500 M	JE62 0003 40
2	12		CS	CLEANER (J)HAND W/GRT ORANGE RUFFY (SELIG 254970) 9/250	JE62 4007 40
	2	8	CS	CLEANER (J) PINE PINETEX (SELIG 295007) 4/1 GALS PER CASE	JE30 4012 40
		12	CS	CLEANER (J) SURFACE SPRAY GOSH (SELIG 209202) 12/1 QT C	JE30 4010 40
		8	CS	CLEANER (J)ALL SURFACE,CREME CLEANSER, DISINFECTANT,S	JE30 0022 40
1		4	CS	DEGREASER (J) CLEAR CHOICE 5 GALS PER PAIL	CC60 4002 40
			PAIL	DEGREASER (J) CLEANER, CLEAR-CHOICE (SELIG 213511/PAIL	CC60 4004 40
		4	CS	CLEANER (J) SOLVENT ZONE DEFENSE (SELIG 049509) 1 DZ CA	CC60 0080 40
		4	PAIL	DETERGENT (J) LAUNDRY SNO-WHITE (SELIG 288203) 45 LBS PE	JE38 4010 40
		4	CS	DETERGENT (J) LAUNDRY SNO-WHITE (SELIG 475618) 4/10LB PA	JE38 4020 40
			EA	DISPENSER SOAP (J) HAND IRON MAN (SELG 508105)	HG15 0002 40
2	2	4	CS	SOAP (J) HAND LAVA 48/CS	JE62 4002 40
		3	CS	POLISH (J) STNLS STEEL,SELCO-SHINE (SELIG 020309)1 DZ CAN	JE14 0005 40
4	4	6	EA	SPRAYER (J) SOLVENT RESISTENT QT BOTTLE	JE54 4020 40
		8	CS	STRIPPER (J) WAX RE-MOV (SELIG 089807) 4/1 GALS PER CASE	JE30 4013 40
			CS	WAX (J) FLOOR LIQUID NJ-FINISH (SELIG 094207) 4/1 GALS PER	JE76 4001 40
		4	PAIL	WAX (J) FLOOR LIQUID NJ FINISH (SELIG 094213) 5 GALS PER D	JE76 4002 40

CLEANING AND MAINTENANCE BRUSHES AND MOPS

6	3		EA	BROOM (J) GARAGE 36" W/O THRD.HDL. #1107-36	JE18 4004 40
			EA	BROOM (J) STREET 16" W/O HANDLE PALMYRA	JE18 4005 40
8			EA	BROOM (J) WHISK 9" #70031	JE18 4006 40
8	3		EA	BROOM (J) CORN HEAVY DUTY	JE18 4001 40

SHIPS 180-DAY CONSUMABLE LIST

DEPARTMENT			UOM	DESCRIPTION	ITEM_ID
Deck	Engine	Steward			
		4	EA	BROOM (J) PUSH 18" W/HANDLE FINE BRISTLE	JE18 4002 40
			BX	BRUSH (J) ACID 144/BX	JE22 4000 40
		6	EA	BRUSH (J) HAND SCRUB PLASTIC 4" X 12"	JE22 4001 40
8	4		EA	BRUSH (J) TURKS HEAD 4 1/2 DIA MAGNOLIA #1429 WITH THREA	JE22 4003 40
8	4	12	EA	BRUSH (J) COUNTER DUSTER FOXTAIL #208-8	JE22 4004 40
			EA	BRUSH (J) DECK 9" HOL. PALMYRA #610	JE22 4005 40
			EA	BRUSH (J) HAND SCRUB 8" #598	JE22 4006 40
3		24	EA	BRUSH (J) SANITARY 20" WOOD HANDLE	JE22 4008 40
6	6		EA	BRUSH (J) STEEL WIRE 3 X 19 ROW BH	JE22 4009 40
6	6		EA	BRUSH (J) STEEL WIRE 4 X 16 ROW SHOE HDL #114	JE22 4010 40
	4		EA	BRUSH (J) WIRE SCRATCH SHOE HANDLE BRASS	JE22 4015 40
		8	EA	PADS (J) BUFFING RED 16"	AB40 4000 40
			EA	BROOM (J) FLOOR 24" TAMPICO	JE18 4007 40
3	4		EA	HANDLE (J) MOP SPRING TYPE	JE50 4000 40
12			EA	HANDLE (J) WOOD 54" TAPERED	JE18 4009 40
12	4		EA	HANDLE (J) WOOD 54" THREADED WITH METAL TIP	JE18 4010 40
			EA	MOP (J) YACHT 16 OZ. W/HANDLE	JE50 4005 40
			EA	MOP (J) YACHT 20 OZ. W/HANDLE	JE50 4006 40
			EA	MOP (J) YACHT 24 OZ. W/HANDLE	JE50 4007 40
12	16	30	EA	MOPHEAD (J) 32 OZ. COTTON	JE50 4004 40
			EA	MOPHEAD (J) 16 OZ. COTTON	JE50 4001 40
			EA	MOPHEAD (J) 20 OZ. COTTON	JE50 4002 40
			EA	MOPHEAD (J) 24 OZ. COTTON	JE50 4003 40
			EA	PADS (J) POLISHING WHITE 16"	AB25 4000 40
3	3	10	BX	PADS (J) SCOTCH BRITE 3M 10 PADS/BX.	AB40 4001 40
3	6	8	EA	BRUSH (J) SCRUB UTILITY LONG HANDLE #417OSBORN	JE22 4012 40
		8	EA	BRUSH (J) SCRUB UTILITY SHORT HANDLE OSBORN 413	JE22 4013 40
		10	EA	PADS (J) STRIPPING BLACK 16"	AB40 4002 40
			EA	BRUSH (J) WIRE SCRATCH SHOE HANDLE STAINLESS STEEL	JE22 4016 40
		6	EA	BRUSH (J) WIRE SCRATCH CURVED HANDLE STAINLESS STEEL	JE22 4017 40

SHIPS 180-DAY CONSUMABLE LIST

DEPARTMENT			UOM	DESCRIPTION	ITEM_ID
Deck	Engine	Steward			

CLEANING AND MAINTENANCE SUPPLIES

20	20		EA	ABSORBENT (J) 50# BAG AP-SORBANT SELIG (SELIG 117605) 50	AS50 0010 40
			CS	FILTER (J) AIR 16 X 25 X 1 12/BX	FI10 4001 40
	3		CS	FILTER (J) AIR 18 X 25 X 1 12/BX	FI10 4002 40
			EA	FILTER (J) AIR DISPOSABLE 16 X 20 X 1	FI10 4000 40
3	4		EA	GUN (J) CLEANING BINKS 140B	TL25 4000 40
8	3	6	EA	BUCKET (J) 10 QT RUBBERMAID 2963	JE26 4001 40
			EA	BUCKET (J) GALVANIZED 14 QT.	JE26 4002 40
4	2	4	EA	BUCKET (J) MOP 14 QT W/WRINGER	JE26 4003 40
			EA	BUCKET (J) MOP 26 QT RUBBERMAID #6113	JE26 4007 40
			EA	BUCKET (J) MOP 35 QT RUBBERMAID	JE26 4008 40
			EA	BUCKET (J) PLASTIC 14 QT #2614	JE26 4005 40
			EA	PAN (J) DUST METAL	JE46 4001 40
6	4	6	EA	PAN (J) DUST RUBBERMAID	JE46 4002 40
4	1		EA	HOSE (J) GARDEN HVY DUTY 3/4" 100 FT. BLACK RUBBER GOOD	PH49 4000 40
	1	1	EA	HOSE (J) GARDEN HVY DUTY 3/4" 50 FT. BLACK RUBBER GOOD	PH49 4001 40
	2		RL	FILTER ROLL (J) UTILITY GENERATOR TURBO GLASS/POLYESTER	FI10 4003 40
3	3		EA	WASHER (J) HOSE 3/4"	FA60 4000 40
			CS	FILTER (J) AIR INVERTER 16 X 18 X 1 12/BX	FI10 4004 40
			CS	FILTER (J) AIR INVERTER 16 X 20 X 1 12/BX	FI10 4005 40
			RL	FILTER (J) AIR M.E. TURBO MATERIAL GLASS	FI10 4006 40
			BG	ABRASIVE (J) M.E. TURBO WALNUT SHELLS SIZE 12/20 MEDIUM	AB15 4002 40
1		3	EA	MAT (J) CARPET 24" X 36" SHORT PILE DARK COLOR	JE99 4004 40
		3	EA	MAT (J) CARPET 16" X 27"	JE99 4003 40
4	1	3	EA	MAT (J) CARPET 36" X 60" SHORT PILE DARK COLOR	JE99 4005 40
	12		EA	MAT (J) COCOA CCL #2 16" X 27"	JE99 4001 40
4	4	1	EA	NOZZLE (J) HOSE PISTOL GRIP 3/4"	HG45 4000 40
8			EA	ABSORBENT (J) PADS OIL #200 T151 200/BDL 3/16" THICK	AS55 4001 40
2	2	3	RL	PAPER (J) BROWN ROLLS FOR FLOOR 36" X 250'	JE54 4003 40
12	24	1	BX	RAGS (J) MARINE COLOR 100% COTTON WIPING, 50# CT. MIX	JE58 4000 40

SHIPS 180-DAY CONSUMABLE LIST

DEPARTMENT			UOM	DESCRIPTION	ITEM_ID
Deck	Engine	Steward			
3	3		EA	SCOOP (J) PLASTIC FLAT BOTTOM 2 QT.	JE99 4002 40
3			EA	SHOVEL (J) GRAIN/HOG 14" X 17" PLASTIC GRAINGER PN 3Z224	TL25 4031 40
			EA	SHOVEL (J) HAND GALV. 18" O.A.	TL25 4001 40
			EA	SHOVEL (J) SQUARE POINT "D" HANDLE	TL25 4002 40
			EA	SPONGE (J) SCRUBBING HVY DUTY 6"X4"X2"	JE58 4002 40
2	2	2	EA	SQUEEGEE (J) DECK HD 24" GRAINGER # 3A3337	JE22 4023 40
2			EA	SQUEEGEE (J) WINDOW 12"	JE22 4019 40
			EA	SQUEEGEE (J) WINDOW 18"	JE22 4020 40
2	3	2	EA	CAN (J) TRASH HVY DTY 32 GAL RUBBERMAID #3632	CS45 4003 40
3		1	EA	CAN (J) TRASH HVY DTY 55 GAL RUBBERMAID #2655 GRAY	CS45 4004 40
3		1	EA	CAN (J) TRASH HVY DTY 55 GAL RUBBERMAID #2655 YELLOW	CS45 4005 40
		5	EA	CAN (J) TRASH ROOM SIZE 28 QT RUBBERMAID	CS45 4006 40

PAPER AND PLASTIC SUPPLIES

			C	BAG (J) PLASTIC ZIP-LOCK 3" X 5" 4MIL WITH WHITE WRITE-ON	RS18 4004 40
			C	BAG (J) PLASTIC ZIP-LOCK 4" X 6" 4 MIL WITH WHITE WRITE-ON	RS18 4005 40
			C	BAG (J) PLASTIC ZIP-LOCK 6" X 9" 4 MIL WITH WHITE WRITE-ON	RS18 4008 40
			C	BAG (J) PLASTIC ZIP-LOCK 8" X 12" 4 MIL WITH WHITE WRITE-ON	RS18 4009 40
2	2	3	CS	BAG (J) GARBAGE 60 GAL BK60 22 X 16 X 58 1.2 MIL	RS18 4010 40
		2	CS	BAG (J) PLASTIC LINER 5 GAL 500/CS	RS18 4000 40
			CS	BAG (J) PLASTIC 30 GAL 250/CS (1.5 MIL) MEDIUM WEIGHT	RS18 4001 40
			CS	BAG (J) PLASTIC 55 GAL HEAVY WEIGHT	RS18 4002 40
8	8	24	CS	BAG (J) PAPER REFUSE 30 GAL 50/PK PAPER	RS18 4003 40
1	1		CS	WIPERS (J) PAPER SCOTT 5700	JE54 4000 40
	1		RL	SHEETING (J) PLASTIC 4 MIL 36" X 100'	HG75 4001 40
1	1		PK	TAGS (J) MANILA W/WIRE TIES 2.5" X 4.5" 250/PK	OS66 4001 40
		12	CS	TISSUE (J) TOILET 96'S	JE70 4000 40
		3	CS	TOWELS (J) PAPER ROLL INDUST STRENGTH YELLOW BIRCH P	JE54 4004 40
	4	30	CS	TOWELS (J) PAPER ROLLS 30/CS	JE54 4001 40
	2	8	CS	TOWELS (J) PAPER SINGLEFOLD 15/PKG 250/CS	JE54 4002 40

SHIPS 180-DAY CONSUMABLE LIST

DEPARTMENT			UOM	DESCRIPTION	ITEM_ID
Deck	Engine	Steward			
<i>PAINT BRUSHES AND ROLLERS</i>					
1			EA	BRUSH (J) ROUND MARKING 1/2" DIA. CORONA	PS10 4000 40
1			EA	BRUSH (J) ROUND STENCIL 1" DIA. CORONA	PS10 4001 40
			EA	BRUSH (J) ACID 3/8"	PS10 4003 40
25			EA	BRUSH (J) BENT WOOD HANDLE 1" CORONA	PS10 4004 40
			EA	BRUSH (J) BENT WOOD HANDLE 1-1/2" CORONA	PS10 4005 40
30	12		EA	BRUSH (J) BENT WOOD HANDLE 2" CORONA	PS10 4006 40
			EA	BRUSH (J) BENT WOOD HANDLE 2-1/2" CORONA	PS10 4007 40
20			EA	BRUSH (J) BENT WOOD HANDLE 3" CORONA	PS10 4008 40
	8		EA	BRUSH (J) FLAT PAINT 1" CORONA	PS10 4009 40
5	4		EA	BRUSH (J) FLAT PAINT 1 1/2" CORONA	PS10 4010 40
	6		EA	BRUSH (J) FLAT PAINT 2" CORONA	PS10 4011 40
5			EA	BRUSH (J) FLAT PAINT 3" CORONA	PS10 4013 40
5			EA	BRUSH (J) FLAT PAINT 4" CORONA	PS10 4014 40
			EA	BRUSH (J) FLAT VARNISH 2" CORONA	PS10 4017 40
			EA	BRUSH (J) FLAT VARNISH 3" CORONA	PS10 4019 40
			EA	BRUSH (J) FLAT VARNISH 4"	PS15 4022 40
			EA	BRUSH (J) STENCIL 3/4" CORONA	PS10 4021 40
			EA	MITT (J) PAINTER	PS99 4000 40
20			EA	COVER (J) ROLLER ARSCO 18" SEALED CORE	PS20 4006 40
20	12		EA	COVER (J) ROLLER ARSCO 4" MAC 40 SEALED CORE	PS20 4000 40
20			EA	COVER (J) ROLLER ARSCO 7" MAC 70 SEALED CORE	PS20 4001 40
20	12		EA	COVER (J) ROLLER ARSCO 9" MAC 90 SEALED CORE	PS20 4002 40
5			EA	FRAME (J) ROLLER 18" SEALED CORE	PS20 4007 40
5	3		EA	FRAME (J) ROLLER 4" MAF 40 SEALED CORE	PS20 4003 40
5			EA	FRAME (J) ROLLER 7" MAF 70 SEALED CORE	PS20 4004 40
5			EA	FRAME (J) ROLLER 9" MAF 90 SEALED CORE	PS20 4005 40
6			EA	POLE (J) ROLLER PAINT EXTENSION 6' WOOD	PS15 4000 40
6			EA	POLE (J) ROLLER PAINT EXTENSION 4' WOOD	PS15 4001 40

MISCELLANEOUS PAINT SUPPLIES

SHIPS 180-DAY CONSUMABLE LIST

DEPARTMENT			UOM	DESCRIPTION	ITEM_ID
Deck	Engine	Steward			
6	8		EA	SCRAPER (J) ALL METAL	PS99 4001 40
3			EA	POLE (J) EXTENSION ALUMINUM 6'-12' #3212	PS15 4002 40
3	1		EA	POLE (J) EXTENSION ALUMINUM 6'-18'	PS15 4003 40
3	2		EA	HAMMER (J) CHIPPING WOOD HANDLE	TL20 4002 40
2	2	1	EA	KNIFE (J) UTILITY 10-099	TL20 0204 40
1	2	1	PK	BLADE (J) UTILITY KNIFE SPARE 5/PK	TL20 4001 40
3	6		EA	TRAY (J) PAINT PLASTIC 1 GAL CAP	PS30 4001 40
			EA	SCRAPER (J) 5 IN 1 PAINT TOOL CAMBAR CAT. 123 PG. 243	TL20 4003 40
2			EA	SPRAYER (J) HUDSON 63490 GALV. 4 GAL.	PS99 4002 40
8			EA	MESH (J) STEEL FOR PAINT POT	PS99 4003 40

METAL CLEANERS AND PAINT PRODUCTS

			CS	CLEANER(J) PAINT REMOV HANDY-MAN 1/DZ CS SELIG # 038909	CC20 0020 40
			CS	COATING (J) RUST PREVENT LINEBACKER (SELIG 238407) 4 / 1 G	CC20 4008 40
2			EA	NONSKID (J) COMPOUND 1 UNIT/5 GAL.	PS99 4004 40
5	1		EA	PAINT (J) SPRAY BLACK	PT45 4001 40
5			EA	PAINT (J) SPRAY BLUE	PT45 4002 40
5			EA	PAINT (J) SPRAY CLEAR	PT45 4007 40
5			EA	PAINT (J) SPRAY FLUORECENT GREEN	PT45 4008 40
5			EA	PAINT (J) SPRAY FLUORECENT RED	PT45 4009 40
5			EA	PAINT (J) SPRAY FLUORECENT YELLOW	PT45 4010 40
5			EA	PAINT (J) SPRAY GRAY	PT45 4003 40
5			EA	PAINT (J) SPRAY INTERNATIONAL ORANGE	PT45 4006 40
5	1		EA	PAINT (J) SPRAY SAFETY RED	PT45 4005 40
5			EA	PAINT (J) SPRAY SAFETY YELLOW	PT45 4004 40
5			EA	PAINT (J) SPRAY WHITE	PT45 4000 40
2			EA	VARNISH (J) SPAR CLEAR EXTERIOR USE W/UV PROTECTION SA	PT75 4000 40

LADDERS

1			EA	LADDER (J) FIBERGLASS SINGLE 14'	HG40 4000 40
1	1		EA	LADDER (J) FIBERGLASS EXTENSION 28'	HG40 4001 40

SHIPS 180-DAY CONSUMABLE LIST

DEPARTMENT			UOM	DESCRIPTION	ITEM_ID
Deck	Engine	Steward			
1	2	1	EA	LADDER (J) STEP 3' FIBERGLASS CLASS 1A 300 LB CAPACITY	HG40 4014 40
			EA	LADDER (J) STEP 3' WOOD CLASS 1A 300 LB CAPACITY	HG40 4008 40
			EA	LADDER (J) STEP 5' FIBERGLASS CLASS 1A 300 LB CAPACITY	HG40 4015 40
			EA	LADDER (J) STEP 5' WOOD CLASS 1A 300 LB CAPACITY	HG40 4009 40
1	1		EA	LADDER (J) STEP 6' FIBERGLASS CLASS 1A 300 LB CAPACITY	HG40 4016 40
			EA	LADDER (J) STEP 6' WOOD CLASS 1A 300 LB CAPACITY	HG40 4010 40
2	1		EA	LADDER (J) STEP 8' FIBERGLASS CLASS 1A 300 LB CAPACITY	HG40 4017 40
			EA	LADDER (J) STEP 8' WOOD CLASS 1A 300 LB CAPACITY	HG40 4011 40
			EA	LADDER (J) WOOD STRAIGHT 12 FT CLASS 1A 300 LB CAPACITY	HG40 4003 40

LIFE SAVING EQUIPMENT

1			EA	BUCKET (J) 8 QT. W/LANYARD	CS20 4000 40
			EA	BULB (J) FLASHLIGHT PR-2 2.38V .50AMP	LF15 4024 40
3			EA	RING (J) BUOY ORANGE 30" USCG APPD	SE40 4000 40
1			EA	OIL (J) ILUMINATING WATERTIGHT CONTAINER	LU99 4000 40
5			EA	FLASHLIGHT (J) 3 D CELL USCG APPROVED	LF20 4001 40
5	3		EA	FLASHLIGHT (J) 2 D CELL BRIGHTSTAR 1618	LF20 4000 40
1			EA	HATCHET (J) W/LANYARD	TL25 4003 40
1	2		EA	JACKNIFE (J) W/LANYARD	TL25 4004 40
3			EA	LIFEJACKET (J) ADULT W/REFLECTIVE TAPE SEWN ON	SE40 4002 40
10			EA	LIGHT (J) PFD CYALUME 6075	LF60 4004 40
3			EA	LIGHT (J) PFD F/LIFE PRES. #L8-2A USCG APPROVED	LF60 4001 40
1	1		EA	MATCHES (J) WATERPROOF CONTAINER	RS46 4000 40
			EA	PROVISIONS (J) LIFEBOAT 32 OZ.	FD99 4000 40
1			RL	TAPE (J) REFLECTIVE F/LIFEJACKET REPAIR	SE40 4017 40
			CS	WATER (J) FOR LIFEBOAT 10 2/3 OZ 24/CS	FD99 4001 40
2			EA	WHISTLE (J) W/LANYARD	SE40 4006 40

PYROTECHNICS

			EA	FLARE (J) HAND HELD ROCKET	SE40 4010 40
			EA	FLARE (J) RED HAND HELD USCG APPROVED WW611	SE40 4012 40

SHIPS 180-DAY CONSUMABLE LIST

DEPARTMENT			UOM	DESCRIPTION	ITEM_ID
Deck	Engine	Steward			

FIRE FIGHTING EQUIPMENT

			EA	AXE (J) PICK HEAD FIRE 36"	TL25 4006 40
50			FT	CHAIN (J) BRASS JACK	HM35 4001 40
12			EA	GASKET (J) FIREHOSE 1 1/2" HOSE	PG60 4000 40
12			EA	GASKET (J) FIREHOSE 2 1/2" HOSE	PG60 4001 40
			EA	HOSE (J) FIRE 1 1/2" X 50' NST UL BRASS PIN LUG	PH19 4000 40
2			EA	HOSE (J) FIRE 1-1/2" X 75' NST UL BRASS/PIN LUG	PH19 4002 40
			EA	HOSE (J) FIRE 2-1/2" X 50' NST UL BRASS/PIN LUG	PH19 4003 40
2			EA	HOSE (J) FIRE 2 1/2" X 75' NST UL BRASS PIN LUG	PH19 4001 40
1	1		EA	NOZZLE (J) WASHDOWN 1-1/2" MCMaster 6469T36	SE20 4004 40

SAFETY EQUIPMENT

			EA	CHIN STRAP (J) FOR HARD HAT	SE25 4002 40
			BX	MASK (J) DUST MIST, PARTICLE NON-TOXIC 20/BX 3M 8710	SE45 4003 40
1	6		BX	EAR PLUG (J) WITH CORDS 100/BX MAXLITE NRR30	SE10 4001 40
3	1		GAL	EYE WASH (J) SOLUTION REFILL	SE10 4003 40
8	3		EA	FACE SHIELD (J) HEAD BAND BRACKET HK	SE15 4001 40
10	18		EA	FACE SHIELD (J) CLEAR 3440V	SE15 4000 40
7			EA	HARNESS (J) FULL-BODY, SINGLE D-RING ROSE 502720	SE25 4001 40
	4	8	BX	GATORADE (J) 8.5 OZ POWDER MIX PKS 20/BX	FD30 0001 40
1	2		EA	GOGGLES (J) BURNING #5 LENS OKI BEARING WS80	SE50 4002 40
8	12		EA	GOGGLES (J) CHIP-GRIND-CHEM SPLASH PROTECTION UVEX	SE50 4001 40
5	6		EA	HAT (J) HARD WHITE MAVERICK MAVHAT	SE30 4000 40
			EA	CAP (J) HEARING PROTECTION CANAL H LEIGHT QB2	SE30 4001 40
10	1		EA	PROTECTOR (J) HEARING EAR MUFF WILSON NRR28	SE10 4002 40
2			BX	CARTRIDGE (J) ORGANIC VAPOR 3M 6001	SE45 4002 40
			EA	PREFILTER (J) 3M 5010	SE45 4004 40
4	8		EA	RESPIRATOR (J) DISP FOR WELD FUMES AND NUISANCE VAPO	SE45 4022 40
			EA	RINGS (J) RETAINER 3M 501	SE45 4023 40
12	12		EA	GLASSES (J) SAFETY CLEAR UVEX 3000 #135	SE50 4005 40

SHIPS 180-DAY CONSUMABLE LIST

DEPARTMENT			UOM	DESCRIPTION	ITEM_ID
Deck	Engine	Steward			
3			EA	VEST (J) REFLECTIVE NYLON MESH SERVICE & MATERIAL FVIYR	SE25 4004 40

GASKETS AND TAPE

	2		EA	FORM-A-GASKET (J) 1 PT AVIATION 3D	PG99 4000 40
			EA	ELIMINATOR (J) GASKET (PERMATEX)	PG99 4012 40
			EA	GASKET MAKER (J) SILICONE RTV (SELIG 032505) 1 DZ 10 OZ CA	CC15 4005 40
	4		FT	RUBBER (J) SHT,GASKET MATERIAL 36"W 1/16	PG60 4002 40
	8		FT	FIBER (J) SHT.GASKET MATERIAL 36"W 1/16"	PG40 4000 40
	8		FT	RUBBER (J) SHT,GASKET MATERIAL 36"W 1/8	PG60 4003 40
	8		FT	FIBER (J) SHEET,GASKET MATERIAL 36"W,1/8	PG40 4001 40
	6		EA	MATERIAL (J) GASKET HIGH TEMP/STEAM 1/16 50" X 50" SHEET	PG45 4000 40
	6		EA	MATERIAL (J) GASKET HIGH TEMP/STEAM 1/8 50" X 50" SHEET	PG45 4001 40
			EA	NUT (J) LOCK ADHESIVE 1.69 OZ.	PG99 4003 40
	2		EA	LOCTITE (J) 609	PG99 4013 40
			EA	LOCTITE (J) PRIMER	PG99 4014 40
	2		EA	LOCTITE (J) F/MAKING O-RING,80851 PERMATEX	PG99 4005 40
	2		EA	FORM-A-GASKET (J) SILICONE BLUE 12 OZ	PG99 4006 40
6	24		EA	SILICONE (J) CLEAR	PG99 4007 40
			EA	SILICONE (J) RED FORM-A-GASKET 12 OZ	PG99 4008 40
8	1	8	EA	TAPE (J) MASKING 3" X 60 YD	HG10 4000 40
1			EA	TAPE (J) PACKING 2" FILAMENT	HG10 4001 40
2	6		EA	TAPE (J) TEFLON 1/2" X 520"	HG10 4002 40
	6		EA	TAPE (J) TEFLON 3/4" X 520"	PG65 4000 40
8	8		EA	TAPE (J) DUCT 2" X 60 YD.	HG10 4003 40
8	3		EA	TAPE (J) DUCT 3" X 60 YD.	HG10 4004 40
			EA	TAPE (J) ELECT 3/4"X66' SCOTCHSUPER #88	HG10 4006 40
			EA	TAPE (J) ELECT GLASS CLOTH 3/4"X66' #27	HG10 4007 40
	2	12	EA	TAPE (J) ELECTRICAL 3/4" X 66' SCOTCH 33	HG10 4005 40
8			EA	TAPE (J) MASKING 1" X 60 YD.	HG10 4009 40
8	6		EA	TAPE (J) MASKING 2" X 60 YD.	HG10 4010 40
8	4		EA	SEALANT (J) THREAD 1 PT W/BRUSH #14D	PG99 4009 40

SHIPS 180-DAY CONSUMABLE LIST

DEPARTMENT			UOM	DESCRIPTION	ITEM_ID
Deck	Engine	Steward			

LUBRICANTS AND LUBRICATION EQUIPMENT

3	3		EA	GUN (J) GREASE ALEMITE 4041 B	FT42 4001 40
2	3		CS	ANTISEIZE (J) LUBRICANT NO GRAB (SELIG 220005) 12/ 8 OZ CA	CC25 4001 40
	3		EA	WAX (J) BEES COMM'L GRADE 1 LB.	RE99 4000 40
2	2		CS	COATING (J) GALVANITIZING ZINC RICH 16OZ	CC90 4000 40
			EA	FITTING (J) GREASE HYD STRAIGHT 1/4 NPT 1627	FT42 4005 40
			EA	FITTING (J) GREASE HYD STRAIGHT 1/8 NPT 1610	FT42 4006 40
			EA	FITTING (J) GREASE HYD 90 EL 1/4 NPT 1629-B	FT42 4007 40
			PAIL	GREASE (J) EP-2 35# PAIL	LU15 4000 40
			EA	FITTING (J) GREASE BUTTONHEAD 1/4" A1186	FT42 4009 40
			EA	FITTING (J) GREASE BUTTONHEAD 1/8" A1184	FT42 4010 40
			EA	FITTING (J) GREASE 45* 1/8" #A-684 PIN TYPE	FT42 4011 40
			EA	GREASE (J) SILICONE DOW 111 16 OZ TUBE	LU15 4010 40
1			EA	GREASE (J) WHITE 35# PAILS LITHIUM BASE	LU15 4004 40
	1		CS	LUBRICANT (J) CUTTING OIL 19-SX-93 (SELIG 241011) 5 GALS PE	LU20 0008 40
			CS	LUBRICANT (J) ENVIRO MASTER MECH AERO (SELIG 035109) 1	LU20 4012 40
			CS	LUBRICANT (J) O-RING LOCTITE OR DOW CORNING 5-OZ TUBE	PG99 4010 40
	6		CS	LUBRICANT (J) MOLYKOTE SPRAY	LU10 4001 40
12	24		CS	LUBRICANT (J) PB BLASTER 16 OZ AEROSOL	LU20 4000 40
			EA	LUBRIPLATE (J) CARTRIDGE	LU15 4007 40
	2		EA	MOLYCOTE (J) G/N PASTE 17.5 OZ. UNIT	LU20 4003 40
1			DR	OIL (J) FISH 55 GAL. DRUM	LU20 4009 40
5	2		GAL	OIL (J) MYSTERY #014 1 GAL.	LU20 4010 40
			EA	OILER (J) 1/2 PT.	CS30 4000 40
3	3		EA	PUMP (J) OILER 1 PT.	PC50 4000 40
			EA	DIE MARK (J) PRUSSIAN BLUE 3/4 TUBE #35V	CC40 4000 40
3			PAIL	LUBRICANT (J) WIRE 35# PAIL	LU15 4001 40

ELECTRICAL SUPPLIES AND LAMPS

			CS	BULB (J) NAVIGATION FILAMENT 50/50 120V	LF15 4026 40
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SHIPS 180-DAY CONSUMABLE LIST

DEPARTMENT			UOM	DESCRIPTION	ITEM_ID
Deck	Engine	Steward			
			CS	BULB (J) ROUGH SERVICE 60W SYLVANIA	LF15 4028 40
			BX	CONNECTOR (J) BUTT 12-10 100/BX	EL74 4000 40
			BX	CONNECTOR (J) BUTT 16-14 100/BX	EL74 4001 40
			BX	CONNECTOR (J) BUTT 22-18 100/BX	EL74 4002 40
			CS	CHEMICAL (J) CRC ZINC IT	CC70 4000 40
	6		CS	CLEANER (J) CONTACT SPRAY LECTRON 2020 (SELIG 032909) 1	CC75 4004 40
	50		FT	CORD (J) PORTABLE 14/3 SO	EL10 4001 40
			EA	DUXSEAL (J) 1 LB.	EL18 4008 40
			EA	CORD (J) EXTENSION HD3 PRG50 NON STICK	EL34 4000 40
			EA	CORD (J) EXTENSION H.D. 3 PRONG 50' NON-STICK 220V 2-PR	EL34 4002 40
	2		EA	CORD (J) EXTENSION H.D.2-PRONG 100' 220V EUROPEAN STYLE	EL34 4003 40
			EA	CORD (J) EXTENSION H.D. 3 PRONG 100'	EL34 4001 40
			EA	LIGHT (J) EXT. 5025-SRG MCGILL 120V 100W 25' STRAIGHT BL	LF30 4017 40
			EA	GLOBE (J) WT CLEAR 3 5/16 DIA X 5"	LF35 4001 40
			EA	GLOBE (J) WT CLEAR 3 5/16 DIA X 6"	LF35 4002 40
			EA	GUARD (J) BRASS 6" OCEANIC 517	LF40 4001 40
			EA	INSULATION (J) HEAT SHRINK 1/16 DIA 4' LENGTH	EL66 4000 40
			EA	INSULATION (J) HEAT SHRINK 1/2 DIA 4' LENGTH	EL66 4001 40
			EA	INSULATION (J) HEAT SHRINK 1/4 DIA 4' LENGTH	EL66 4002 40
			EA	INSULATION (J) HEAT SHRINK 1/8 DIA 4' LENGTH	EL66 4003 40
			EA	INSULATION (J) HEAT SHRINK 3/8 DIA 4' LENGTH	EL66 4004 40
			EA	INSULATION (J) VARNISH SPRAY RED GLYPTOL3M 1602	PT40 4000 40
			CS	LAMP (J) CIRCLINE FC8T9/CW 4 PIN 22W COOL WHITE	LF30 4000 40
	18		CS	LAMP (J) FLUORESCENT F20/T12 BI PIN 24/CASE	LF15 4030 40
	18		CS	LAMP (J) FLUORESCENT F40/CW BI PIN 30/CASE	LF15 4032 40
			CS	LAMP (J) FLUORESCENT F48/T12 (30/CS) SINGLE PIN	LF15 4033 40
			CS	LAMP (J) INCANDESCENT 100W 120V 100A 19/RS E27 MED SCR	LF15 4035 40
			CS	LAMP (J) INCANDESCENT 100W A19 220V 100 RS E27 MEDIUM SC	LF15 4048 40
			CS	LAMP (J) INCANDESCENT 300W 120V MOGAL BASE 24/CS	LF15 4049 40
			CS	LAMP (J) INCANDESCENT 40W A19 40A 220V RS 120/CS	LF30 4005 40

SHIPS 180-DAY CONSUMABLE LIST

DEPARTMENT			UOM	DESCRIPTION	ITEM_ID
Deck	Engine	Steward			
			CS	LAMP (J) INCANDESCENT 50W A19 501/RS 120V 120/CS	LF15 4006 40
			CS	LAMP (J) INCANDESCENT 50W A19 220V501/ RS 120/CS	LF30 4020 40
			CS	LAMP (J) INCANDESCENT 60W A19 130V 120/CS	LF15 4008 40
	5		CS	LAMP (J) INCANDESCENT 60W A19 220V 120/CS	LF15 4050 40
			CS	LAMP (J) INDICATOR 3080 24V 5W E14 2 1/4 X 1/2 DIA	LF30 4011 40
			CS	LAMP (J) INDICATOR #44 6.3V .25A MIN SC BAYONET (100/CS)	LF30 4007 40
			BX	LAMP (J) INDICATOR GE 1819 100/CS	LF15 4016 40
			CS	LAMP (J) MERCURY HR400DX33 400W E40 (MOGUL SCREW) G	LF30 4014 40
			CS	LAMP (J) QUARTZ HALOGEN 500T3Q/CL 120V 500W RECESSED	LF30 4016 40
			EA	EXTENSION (J) LIGHT FLUORESCENT 50 FT.	EL50 4003 40
			EA	LUG (J) CONNECTOR STA-KON 2RA18 (100/PK) INSULATED	EL26 4005 40
			BX	LUG (J) TERMINAL STAKON A18-10 NON-INSULATED (100/PK)	EL26 4008 40
			BX	LUG (J) TERMINAL STAKON RC1014 INSULATED (100/PK)	EL26 4012 40
			BX	LUG (J) TERMINAL STAKON C10-10 NON-INSULATED (100/PK)	EL26 4014 40
			EA	PLUG (J) MIPCO 32A 440V 333FC	EL50 4001 40
			EA	PLUG (J) MIPCO 32A 440V 333MP	EL50 4002 40
			EA	SEALANT (J) SILICONE ELEC GRADE GE RTV 122 10.3 OZ TB	CC50 4001 40
	96		EA	STARTER (J) FS-2 FOR 14,15 & 20W NEOSTART STARTER	EL70 4000 40
			EA	STARTER (J) FS-20 14,15,20 WATT MANUAL RESET STARTER	EL70 4001 40
	96		EA	STARTER (J) FS-4 FOR 13,30 & 40 WATT NONSTART STARTER	EL70 4002 40
			PK	TIES (J) CABLE 11" NATURAL 100/PK	EL82 4004 40
	2		PK	TIES (J) CABLE 12" BLACK 100/PK	EL82 4005 40
			PK	TIES (J) CABLE 15" NATURAL 100/PK	EL82 4006 40
			PK	TIES (J) CABLE 4" NATURAL 100/PK	EL82 4007 40
			PK	TIES (J) CABLE 5.5" NATURAL 100/PK	EL82 4008 40
	2		PK	TIES (J) CABLE 7.5" BLACK 100/PK	EL82 4009 40
			PK	TIES (J) CABLE 7.5" NATURAL 100/PK	EL82 4010 40
			EA	TUBE (J) TERMINAL 1/2" MALE	EL26 4015 40
			EA	TUBE (J) TERMINAL 3/4" MALE	EL26 4016 40
	2		PK	MARKER (J) WIRE POCKET PACK 0-9	EL82 4003 40

SHIPS 180-DAY CONSUMABLE LIST

DEPARTMENT			UOM	DESCRIPTION	ITEM_ID
Deck	Engine	Steward			
			BX	NUT (J) WIRE IDEAL 71B (100/PK)	EL26 4017 40
			BX	NUT (J) WIRE IDEAL 72B (100/PK)	EL26 4018 40
			BX	NUT (J) WIRE IDEAL 73B (100/PK)	EL26 4019 40
			BX	NUT (J) WIRE IDEAL 74B (100/PK)	EL26 4020 40
			BX	NUT (J) WIRE IDEAL 76B (100/PK)	EL26 4021 40

BATTERIES

			EA	BATTERY (J) 6V ALKALINE SCREW TERM DTD	BA10 4006 40
			EA	BATTERY (J) 6V ALKALINE SPRING TERMINAL	BA10 4007 40
			EA	BATTERY (J) 9V ALKALINE	BA10 4002 40
96	48		EA	BATTERY (J) AA ALKALINE	BA10 4003 40
96			EA	BATTERY (J) AAA ALKALINE	BA10 4004 40
148	148		EA	BATTERY (J) C CELL	BA30 4003 40
148	72		EA	BATTERY (J) D ALKALINE	BA10 4001 40
24	12		EA	BULB (J) FLASHLIGHT PR3	LF15 4047 40
5			EA	FLASHLIGHT (J) MINI RAY-O-VAC	LF20 4011 40
			EA	FLASHLIGHT (J) NON HAZADOUS BS1925 3 CELL USCG	LF20 4004 40
15	6		EA	FLASHLIGHT (J) 2 D CELL ORANGE # 2117	LF20 4006 40
5			EA	FLASHLIGHT (J) 3 D CELL WATERPROOF	LF20 4009 40
1			EA	TESTER (J) HYDROMETER BATTERY W/SYRINGE	BA25 4000 40
5			EA	LANTERN (J) SAFETY 6V EVEREADY 459	LF45 4002 40

HARDWARE GENERAL

8	2		BG	CONCRETE (J) READY MIX 40#	CC30 4003 40
			LB	LOCKWIRE (J) STAINLESS STEEL 16 GAUGE	HG10 4021 40
			LB	LOCKWIRE (J) STAINLESS STEEL 20 GAUGE	HG10 4022 40
			EA	MEASURE (J) FLEX-SPOUT 1 PT	HG99 4001 40
			EA	MEASURE (J) FLEX-SPOUT 1 QT	HG99 4002 40
10			EA	PLYWOOD (J) 3/8" X 4' X 8' CDX	LB40 4000 40
	12		EA	CYLINDER (J) PROPANE DISPOSABLE	FL40 4000 40
	1		EA	KIT (J) PROPANE TORCH	WS99 4000 40

SHIPS 180-DAY CONSUMABLE LIST

DEPARTMENT			UOM	DESCRIPTION	ITEM_ID
Deck	Engine	Steward			
8			EA	GUARD (J) RAT 36"	CC99 4001 40
1			EA	NEEDLE (J) SAIL	RE30 4000 40
1			EA	TWINE (J) SAIL WAXED LB	HM50 4003 40
			EA	TWINE (J) SAIL WAXED LB	RE30 4002 40
			EA	WIRE (J) SEIZING (5 LB.)	HG10 4023 40
2	2		EA	SPRAYER (J) 3 GAL MANUAL PUMP #4Z398 GRAINGER	HG99 4003 40
			EA	STAMP SET (J) METAL PUNCH 1/4 NUMBERS & LETTERS	TL20 4006 40
	1		EA	STAMP SET (J) METAL PUNCH 3/16 NUMBERS & LETTERS	TL20 4007 40
2	1		EA	STENCIL (J) LETTERS & NUMBERS 2"	HG65 4001 40
			EA	TRAP (J) RAT	CC99 4002 40

ABRASIVES

1	2		RL	CLOTH (J) ABRASIVE 2"X50 YD CROCUS	AB10 4007 40
1	2		RL	CLOTH (J) ABRASIVE BELT 2" X 50 YD 100 G	AB10 4000 40
1	2		RL	CLOTH (J) ABRASIVE BELT 2" X 50 YD 120 G	AB10 4001 40
1	2		RL	CLOTH (J) ABRASIVE BELT 2" X 50 YD 180 G	AB10 4002 40
1	2		RL	CLOTH (J) ABRASIVE BELT 2" X 50 YD 240 G	AB10 4003 40
1			RL	CLOTH (J) ABRASIVE BELT 2" X 50 YD 400 G	AB10 4008 40
1			RL	CLOTH (J) ABRASIVE BELT 2" X 50 YD 80 G	AB10 4006 40
	3		EA	BLADE (J) CHOP SAW 14" X 3/32 X 1" ARBOR	TL25 4032 40
6	6		EA	BRUSH (J) CUP 4" KNOTTED 5/8-11 ARBOR GRAINGER 5X891	AB35 0035 40
			EA	BRUSH (J) MOUNTED 1-1/8 KNOTTED 1/4 SHNK	AB35 0036 40
6	6		EA	BRUSH (J) WHEEL 6" KNOTTED 5/8-11 ARBOR	AB35 0037 40
			EA	CLOTH (J) CROCUS 9" X 11"	AB25 4001 40
			EA	DISC (J) SAND 4-1/2X 1/4X 7/8 A24N METAL	AB20 4002 40
			EA	DISC (J) SANDING 4 X 1/4 X 3/8 24 GRIT	AB20 4009 40
			EA	DISC (J) SANDING 4 X 1/4 X 5/8 24 GRIT	AB20 4010 40
			EA	DISC (J) SANDING 4 X 1/4 X 1/4 24 GRIT	AB20 4011 40
			EA	DISC (J) SANDING 7 X 1/4 X 7/8 A 24N MET	AB20 4012 40
			EA	DISC (J) SAND 7 X 7/8 FIBRE BACK 16 GRIT	AB20 4000 40
			EA	DISC (J) SAND 7 X 7/8 FIBRE BACK 36 GRIT	AB20 4001 40

SHIPS 180-DAY CONSUMABLE LIST

DEPARTMENT			UOM	DESCRIPTION	ITEM_ID
Deck	Engine	Steward			
			CN	CLOVER (J) GRINDING COMPOUND 1# GRADE A THRU J	AB20 4008 40
			BG	SANDBLASTER (J) BEAD BLAST #50 GLASS SHT BEAD 31611 MS-	AB15 4003 40
1			EA	SANDPAPER (J) 9"X11" COURSE (80 GRIT)	AB30 4006 40
1			EA	SANDPAPER (J) 9"X11" FINE (100 GRIT)	AB30 4007 40
1			EA	SANDPAPER (J) 9"X11" MEDIUM (T)	AB30 4008 40

ADHESIVES AND METAL COMPOUNDS

			EA	ADHESIVE (J) CLEAR DOW 739	CC15 4006 40
			EA	ADHESIVE (J) PLIOBOND	CC15 4001 40
1	4		EA	BELZONA (J) MOLECULAR SUPER METAL 1 KG	CC30 4004 40
1			EA	CEMENT (J) CONTACT CON BOND 1 QT #985	CC15 4002 40
1	4		EA	CORDOBOND (J) STRONG BACK STD 1LB RESIN (WITH CLOTH)	CC30 4000 40
			EA	STEEL (J) PLASTIC DEVCON "B"	CC30 4001 40
			EA	STEEL (J) PLASTIC DEVCON "A"	CC30 4002 40
1	3		EA	PUTTY (J) DEVCON UW 1 LB	CC30 4005 40
4	3		EA	PASTE (J) FILLER RED HAND "A" 1 QT CAN	CC70 4001 40
4	3		EA	PASTE (J) RED HAND FILLER "B" 1 QT CAN	CC70 4002 40
3			EA	PASTE (J) WATER FINDING 3 OZ TUBE	CC85 4000 40
			EA	SEALANT (J) DOW 737 BLACK	CC15 4007 40
3	1		EA	SEALANT (J) SILICONE ELEC GRADE GERTV12210.3 OZ TUBE	CC50 4002 40
2			EA	ADHESIVE (J) SUPER GLUE 1 OZ #80092 PERMATAX	CC15 4003 40

CLAMPS AND FASTENERS

6	6		EA	CLAMP (J) HOSE WORM DRIVE SS SIZE 08 7/16 TO 1"	HG20 4000 40
6	6		EA	CLAMP (J) HOSE WORM DRIVE SS SIZE 16 3/4 TO 1 1/2"	HG20 4001 40
6	6		EA	CLAMP (J) HOSE WORM DRIVE SS SIZE 28 1 3/8 TO 2 1/4"	HG20 4002 40
3			EA	CLAMP (J) HOSE WORM DRIVE SS SIZE 40 2 1/8 TO 3"	HG20 4003 40
3			EA	CLAMP (J) HOSE WORM DRIVE SS SIZE 52 2 7/8 TO 3 3/4"	HG20 4004 40
3			EA	CLAMP (J) HOSE WORM DRIVE SS SIZE 64 3 1/2 TO 4 1/2"	HG20 4005 40
6	4		EA	HOOK (J) SNAP EYE BTASS HALYARD	FA15 4000 40
3			LB	NAIL (J) COMMON 10D	FA20 4000 40

SHIPS 180-DAY CONSUMABLE LIST

DEPARTMENT			UOM	DESCRIPTION	ITEM_ID
Deck	Engine	Steward			
3			LB	NAIL (J) COMMON 16D	FA20 4001 40
3			LB	NAIL (J) COMMON 20 D	FA20 4003 40
4			EA	PADLOCK (J) COMBINATION RESETTABLE MASTER	HG45 4005 40
4			EA	PADLOCK (J) BRASS W/STL SHACKLE 1 1/2" <TC>	HG45 4002 40
4			EA	PADLOCK (J) BRASS W/STL SHACKLE 1 3/4" <TC>	HG45 4003 40

MISCELLANEOUS TOOLS

	12		EA	BLADE (J) HACKSAW H.S. STEEL 12"-14T	TL25 4009 40
	12		EA	BLADE (J) HACKSAW H.S. STEEL 12" 18T	TL25 4010 40
	12		EA	BLADE (J) HACKSAW H.S. STEEL 12" 24T	TL25 4030 40
			EA	BLADE (J) BAND SAW SANDVIK 5' 4-1/2" X 1/2" X .025" 18 TEETH	TL25 4033 40
			EA	BLADE (J) BAND SAW SANDVIK 5' 4-1/2" X 1/2" X .025" 24 TEETH	TL25 4034 40
3	2		EA	GUN (J) CAULKING CARTRIDGE TYPE	TL25 4011 40
			EA	HOSE (J) AIR 1" X 50' 250 LB.	PH13 4000 40
3	1		EA	HOSE (J) AIR 1/2" X 50' 250 LB.	PH13 4001 40
			EA	HOSE (J) AIR 3/4" X 50' 250 LB.	PH13 4002 40
3			EA	DRIVER (J) NEEDLE #834045 FOR CLECO SCALER BC1	TL25 4026 40
3			EA	HOLDER (J) NEEDLE #834046-5 FOR CLECO SCALER BC1	TL25 4027 40
120			EA	NEEDLE (J) FOR CLECO SCALER BC1 7"	TL25 4025 40
			EA	BAR (J) PRY 60"	TL20 4005 40
3			EA	SCALER (J) PNEUMATIC CLECO BC-1	TL10 4000 40
6			EA	BUSHING (J) SCREEN #841553-1 FOR CLECO SCALER BC1	TL25 4028 40
6			EA	SPRING (J) THROTTLE VALVE #832078-0 FOR CLECO SCALER	TL25 4029 40

MEASURING DEVICES

			EA	BOB (J) FOR CONSTRICTED PIPE STARRETT 515B	TL25 4035 40
	1		EA	BOB (J) OUTAGE FOR SOUNDING TAPE	TL25 4014 40
			EA	BOB (J) OUTAGE FOR SOUNDING TANK STARRETT 515F	TL25 4037 40
1			EA	TAPE (J) SOUNDING 30M STARRET C507MCB30 METRIC/ENGLISH	TL25 4016 40
1			EA	TAPE (J) SOUNDING REFILL 30 MTR	TL25 4017 40
			EA	BOB (J) TANK GAUGING BRASS OUTAGE 16 OZ	TL25 4019 40

SHIPS 180-DAY CONSUMABLE LIST

DEPARTMENT			UOM	DESCRIPTION	ITEM_ID
Deck	Engine	Steward			
	1		EA	TAPE (J) TANK GAUGING 15 METER REEL STARRETT C507MC	TL25 4038 40
	1		EA	TAPE (J) TANK GAUGING REFILL 15 METER STARRETT	TL25 4039 40
			EA	TAPE (J) RULE AUTOLOK 10FT 3M	TL25 4020 40
	3		EA	TAPE (J) RULE AUTOLOK 16FT 5M	TL25 4021 40
1			EA	TAPE (J) GAUGING 1/2" X 30M/100FT	TL25 4022 40

WELDING SUPPLIES

			FT	CABLE (J) FT WELDING 2/0 COPPER 50 FT	EL10 4006 40
			EA	CONNECTOR (J) CABLE WELDING NEOPRENE COVERED FEMALE	EL10 4007 40
			EA	CONNECTOR (J) CABLE WELDING NEOPRENE COVERED MALE	EL10 4008 40
			EA	LIGHTER (J) GAS TORCH FLINT	WS62 4000 40
1			EA	FLINT (J) GASS TORCH LIGHTER	WS62 4001 40
1	1		EA	CLEANER (J) GASS TORCH TIP	WS66 4000 40
2	2		PAIR	GLOVE (J) WELDING LEATHER LONG SIZE LARGE	WS42 4000 40
1	2		EA	HAMMER (J) CHIPPING SPRING HANDLE	WS14 4000 40
			EA	END (J) HOSE 1/4"X3/8" OXY & ACET	FT18 4003 40
1	4		EA	LENS (J) REPL F/WELDING HOOD 2" X 4 1/2" CLEAR PROTECTIVE	WS46 4001 40
			EA	LENS (J) REPL F/WELDING HOOD 2" X 4 1/2" SHADE 10	WS46 4002 40
1	2		EA	LENS (J) REPL F/WELDING HOOD 2" X 4 1/2" SHADE 12	WS46 4003 40
			EA	LENS (J) REPL F/GAS WELDING GOGGLES CLEAR	WS46 4004 40
			EA	LENS (J) REPL F/GAS WELDING GOGGLES SHADE 5	WS46 4005 40
			EA	LENS (J) REPLACEMENT, CLEAR 50MM #EL-GL	SE50 4003 40
			EA	LENS (J) REPLACEMENT SHADE #5 EL-FSH	SE50 4004 40
	1		EA	HELMET (J) WELDING FIBERGLASS LIFT FRONT WILLSON FCF	WS30 4000 40

REFRIGERATION EQUIPMENT

			EA	LINE (J) CHARGING & TEST MANIFOLD 36" BLUE	TE40 4000 40
			EA	LINE (J) CHARGING & TEST MANIFOLD 36" RED	TE40 4001 40
			EA	LINE (J) CHARGING & TEST MANIFOLD 36" YELLOW	TE40 4002 40
	1		EA	LINE (J) CHARGING & TEST MANIFOLD W/3 36" COLOR CODED C	TE40 4003 40
			EA	DETECTOR (J) HALIDE TORCH R12 LEAK	TE40 4005 40

SHIPS 180-DAY CONSUMABLE LIST

DEPARTMENT			UOM	DESCRIPTION	ITEM_ID
Deck	Engine	Steward			

CORDAGE AND RIGGING SUPPLIES

2			RL	MANILA (J) 1"DIA 600' FOR LIFEBOATS	HW10 4000 40
2			RL	MANILA (J) 1/2" DIA 600'	HW25 4000 40
2			RL	MANILA (J) 1/4 DIA 1200'	HW25 4001 40
2	1		RL	MANILA (J) 3/8 DIA 600'	HW25 4002 40
2			RL	POLYPRO (J) 3/8" DIA 600' ORANGE	HW20 4003 40
2			RL	POLYPRO (J) 3/8" DIA 600' YELLOW	HW20 4004 40
2			RL	MANILA (J) 5/8 DIA 600'	HW25 4004 40
4	3		EA	CLOTH (J) DROP 9'X12' CANVAS	HM50 4001 40
2			EA	FID (J) WOODEN 6"	RE74 4002 40
4			EA	PASTE (J) KOLOR KUT WATER FINDING	TE40 4007 40
			EA	MATLINE(J) TARRED	HM50 4002 40
12			EA	SHACKLE (J) SCREW PIN ANCHOR 1 INCH CROSBY G-209	HM10 4000 40
4	2		EA	SLING (J) NYLON WEB 2" X 6'	RE58 4000 40
4	2		EA	SLING (J) NYLON WEB 2" X 8'	RE58 4001 40
4			EA	SLING (J) WIRE ROPE 1/4 X 5'	RE58 4003 40
4			EA	SLING (J) WIRE ROPE 5/8 X 5'	RE58 4005 40

CLOTHING

6			EA	BOOT (J) RUBBER KNEE SIZE 10 (RED BALL)	CA15 4000 40
6			EA	BOOT (J) RUBBER KNEE SIZE 11 (RED BALL)	CA15 4001 40
6			EA	BOOT (J) RUBBER KNEE SIZE 12 (RED BALL)	CA15 4002 40
6			EA	BOOT (J) RUBBER KNEE SIZE 13 (RED BALL)	CA15 4003 40
6			EA	BOOT (J) RUBBER KNEE SIZE 8 (RED BALL)	CA15 4004 40
6			EA	BOOT (J) RUBBER KNEE SIZE 9 (RED BALL)	CA15 4005 40
			BX	COVERALL (J) EXTRA-LARGE, DISPOSABLE	CA25 4001 40
			BX	COVERALL (J) DISPOSABLE SIZE LARGE	CA25 4000 40
6			EA	COVERALL (J) HOODED F/CHEMICAL PROTECTION	CA25 4002 40
48	6		PR	GLOVES (J) COTTON WORK W/BLACK PVC DOTS WASHABLE GR	CA30 4006 40
8	2		EA	GLOVES (J) CHEMICAL RESISTANT SAFETY PRODUCTS "THE B	CA30 4007 40

SHIPS 180-DAY CONSUMABLE LIST

DEPARTMENT			UOM	DESCRIPTION	ITEM_ID
Deck	Engine	Steward			
8			EA	GLOVES (J) CHEMICAL XYLENE RESISTANT SILVER SHIELD GR	CA30 4008 40
12	1		DZ	GLOVE (J) COTTON WORK W/KNITWRIST #208	CA30 4000 40
8	1		EA	GLOVE (J) H.D. NEOPRENE SIZE 10 N36	CA30 4001 40
16	1	1	DZ	GLOVE (J) LEATHER PALM #122D	CA30 4002 40
8			EA	GLOVE (J) NEOP.CHEM./ACID RESISTANT #NL34M	CA30 4003 40
8		24	EA	GLOVE (J) RUBBER PLAYTEX LG. #8326	CA30 4005 40
8			EA	GLOVE (J) WELDER ALL LEATHER GAUNTLET #200	WS42 4001 40
6	3		EA	PAD (J) KNEE	CA15 4006 40
12	4		EA	SUIT (J) RAIN COMPLETE YELLOW LARGE RIVER CITY 200-3	CA20 4000 40
12			EA	SUIT (J) RAIN COMPLETE YELLOW MEDIUM RIVER CITY 200-3	CA20 4001 40
12	2		EA	SUIT (J) RAIN COMPLETE YELLOW XLARGE RIVER CITY 200-3	CA20 4003 40

APPENDIX 3

RECORD OF CHANGES

The Fuel Oil Transfer Manual has been revised as of 1/20/02. Several administrative changes were required.

PAGE NO.	REVISION NO.	DATE	COMMENTS - REASON FOR CHANGE
1-27	1	1/21/02	Revised all procedures based on configuration changes
i	1	1/21/02	Table of Contents
1-2	1	1/21/02	Updated 33 CFR references 155.720, 155.750
7	1	1/21/02	Added containment system detail to (2)(iii)
8-9	1	1/21/02	Added exclusions for Cape Wahington
13	1	1/21/02	Added 33 CFR references transfer equipment condition and inspections.
26	1	1/21/02	Added website for online submission of initial spill report.
Appendix B	1	1/21/02	Revised USCG contact phonebook
Appendix C	1	1/21/02	Revised State agency contact phonebook

CROWLEY
LINER SERVICES
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M/V CAPE WRATH
M/V CAPE WASHINGTON

FUEL OIL TRANSFER PROCEDURES

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	B.	USCG COTP & CONTACT NUMBERS
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NOTE: Use this instruction together with “Bunkering Plan”
No. B487-DZ15210-16.

PURPOSE

The purpose of this manual is to provide guidance to persons engaged in the fuel loading and transferring operation. During fueling operations, copies of this procedure must be available at deck fueling stations, at the engine control room and the Chief Engineer's office.

33 CFR 155.720 TRANSFER PROCEDURES.

The operator of a vessel with a capacity of 250 or more barrels of oil, hazardous material, or liquefied gas as regulated in Table 4 of 46 CFR part 154 shall provide transfer procedures that meet the requirements of this part and part 156 of this chapter for transferring—

- (a) To or from the vessel; and
- (b) From tank to tank within the vessel.

[CGD 86-034, 55 FR 36254, Sept. 4, 1990; 62 FR 25115, May 8, 1997]

33 CFR 155.730 COMPLIANCE WITH OIL TRANSFER PROCEDURES.

The vessel operator of each vessel required by 155.720 to have oil transfer procedures shall maintain them current and shall require vessel personal to use the oil transfer procedure for each oil transfer operation.

[CGD 75-124, 45 FR 7175, Jan. 31, 1980, as amended by CGD 86-034, 55 FR 36254, Sept. 4, 1990]

33 CFR 155.740 AVAILABILITY OF OIL TRANSFER PROCEDURES.

The oil transfer procedures required by 155.720 must be:

- a. Available for inspection by the COTR or OCMI whenever the vessel is in operation;
- b. Legibly printed in a language or languages understood by personnel engaged in oil transfer operations; and,
- c. Permanently posted or available at a place where the procedure can be easily seen and used by members of the crew when engaged in oil transfer operations.

[CGD 75-124, 45 FR 7175, Jan. 31, 1980, as amended by CGD 86-034, 55 FR 36254, Sept. 4, 1990]

33 CFR 155.750 CONTENTS OF TRANSFER PROCEDURES

- (a) The transfer procedures required by §155.720 must contain, either in the order listed or by use of a cross-reference index page:
 - (a)(1) A list of each product transferred to or from the vessel, including the following information:
 - (a)(1)(i) Generic or chemical name;
 - (a)(1)(ii) Cargo information as described in §154.310(a)(5)(ii) of this chapter; and
 - (a)(1)(iii) Applicability of transfer procedures;
 - (a)(2) A description of each transfer system on the vessel including:
 - (a)(2)(i) A line diagram of the vessel's transfer piping, including the location of each valve, pump, control device, vent, and overflow;
 - (a)(2)(ii) The location of the shutoff valve or other isolation device that separates any bilge or ballast system from the transfer system; and
 - (a)(2)(iii) A description of and procedures for emptying the discharge containment system required by §§155.310 and 155.320;
 - (a)(3) The number of persons required to be on duty during transfer operations;
 - (a)(4) The duties by title of each officer, Person-in-Charge, tankerman, deckhand, and any other person required for each transfer operation;
 - (a)(5) Procedures and duty assignments for tending the vessel's moorings during the transfer of oil or hazardous material;
 - (a)(6) Procedures for operating the emergency shutdown and communications means required by §§155.780 and 155.785, respectively;
 - (a)(7) Procedures for topping off tanks;
 - (a)(8) Procedures for ensuring that all valves used during the transfer operations are closed upon completion of transfer;
 - (a)(9) Procedures for reporting discharges of oil or hazardous material into the water; and

- (a)(10) Procedures for closing and opening the vessel openings in §155.815.
- (a)(11) Statements explaining that each hazardous materials transfer hose is marked with either the name of each product which may be transferred through the hose or with letters, numbers or other symbols representing all such products and the location in the transfer procedures where a chart or list of the symbols used and a list of the compatible products which may be transferred through the hose can be found for consultation before each transfer.
- (b) Exemptions or alternatives granted must be placed in the front of the transfer procedures.
- (c) The vessel operator shall incorporate each amendment to the transfer procedures under §155.760 in the procedures with the related existing requirement, or at the end of the procedures if not related to an existing requirement.
- (d) If a vessel is fitted with a vapor control system, the transfer procedures must contain a description of the vapor collection system on the vessel which includes:
 - (d)(1) A line diagram of the vessel's vapor collection system piping, including the location of each valve, control device, pressure-vacuum relief valve, pressure indicator, flame arresters, and detonation arresters, if fitted;
 - (d)(2) The location of spill valves and rupture disks, if fitted;
 - (d)(3) The maximum allowable transfer rate determined in accordance with 46 CFR 39.30-1(d)(1) through (d)(3);
 - (d)(4) The initial transfer rate for each tank that complies with 46 CFR 39.30-1(h);
 - (d)(5) A table or graph of transfer rates and corresponding vapor collection system pressure drops calculated in accordance with 46 CFR 39.30-1(b);
 - (d)(6) The relief settings of each spill valve, rupture disk, and pressure-vacuum relief valve; and
 - (d)(7) A description of and procedures for operating the vapor collection system, including the:
 - (d)(7)(i) Pre-transfer equipment inspection requirements;

- (d)(7)(ii) Vapor line connection;
- (d)(7)(iii) Closed gauging system;
- (d)(7)(iv) High level alarm system, if fitted; and
- (d)(7)(v) Independent automatic shut-down system, if fitted.

(e) If a cargo tank of a tank vessel is fitted with an overfill device, the transfer procedures must contain a description of the overfill device, including:

(e)(1) The tank overfill device system and specific procedures for the Person-in-Charge to—

- (e)(1)(i) Monitor the level of cargo in the tank; and
 - (e)(1)(ii) Shut down transfer operations in time to ensure that the cargo level in each tank does not exceed the maximum amount permitted by §155.775(b).
 - (e)(2) Pre-transfer overfill device equipment inspection and test requirements.
- (Approved by the Office of Management and Budget under control number 2115-0120)

[CGD 75-124, 45 PR 7175, Jan. 31, 1980, as amended by CGD 88-102, 55 FR 25445, June 21, 1990; CGD 86-034, 55 FR 36254, Sept. 4, 1990; 58 FR 39660, July 26, 1993; 59 FR 53286, Oct. 21, 1994]

33 CFR 154.310 (a)(ii) requires:

The following cargo information:

- a. The name of the cargo, as listed in table 30.25-1 of 46 CFR
- b. A description of the appearance of the cargo;
- c. A description of the order of the cargo;
- d. The hazards involved in handling the cargo;
- e. Instructions for safe handling of the cargo;
- f. The procedures to be followed if the cargo spills or leaks, or if a person is exposed to the cargo; and
- g. A list of fire fighting procedures and extinguishing agents effective with fires involving the cargo.

(A)(1) PRODUCTS TO BE TRANSFERRED

DESCRIPTION as described in 33 CFR SUBPART 154.310 (a)(5)(ii)

Name of oil as listed in Table 30.25-1 of 46 CFR:

Fuel Oil Heavy black, with a pungent odor resembling tar or kerosene and/or hydrogen sulfide.

Boiling point ° F	400
Specific Gravity	.95-1.01
Viscosity	10-55
Flashpoint ° F	140
Auto Ignition Temp ° F	662
Melting Point	N/A
% Volatile	Negligible

Diesel Oil Brown, Slightly Viscous Liquid, Smells Like Kerosene.

Flash Pt, close cup (mm.) ° F	110-190
Flammable Limits %	1.3-6.4
Auto Ignition Temp ° F	494
Vapor Pressure 2000 (68 ° F) (mmHg)	2.5 (at 50 ° C)
Boiling Point ° F	450-800
Freezing Point ° F	-20
Pour pt, upper (max.), ° F	10

Lubricating Oil Dark Amber Liquid. Mild Odor

Flash Point close cup (min) ° F	424
Viscosity at 40 ° C	109.0
Viscosity at 100 ° C	11.2
Melting Point 424 ° F	N/A
Boiling Point ° F	600
Vapor Pressure 2000 (68 ° F) (mmHg)	<0.1
Relative Density 15/4 ° C	0.894
Pour Point, upper (max) ° F	10

HAZARDS IN HANDLING THE OIL

Fire or Explosion

- Will burn. May be ignited by heat, sparks, and flames.
- Flammable vapor may spread away from spill.
- May explode in the heat of fire.
- Vapor explosion hazard indoors, out doors, or in sewers.
- Runoff may create fire or explosion hazard.

Health Hazard

- Vapors may cause dizziness or suffocation.
- Contact may irritate or burn skin and eyes.
- Fire may produce irritation or poisonous gasses.
- Runoff from controller dilution water may cause pollution.

Emergency Action

- Keep unnecessary personal away.
- Stay upwind; keep out of low areas.
- Isolate hazard areas and deny entry.
- Wear self-contained breathing apparatus and full protective clothing.

SPILL OR LEAK

1. Cease pumping.
2. Notify appropriate authorities as indicated in section ("Pollution contingency Plan").
3. Apply appropriate containment, fire protection, and cleanup procedure.

Personal Exposure

1. Move victim to fresh air; call emergency medical care.
2. If victim is not breathing, administer artificial respiration.
3. If victim's breathing is difficult, administer oxygen.
4. In case of contact with material, immediately flush skin and eyes with running water for at least 15 minutes.
5. Remove and isolate contaminated clothing and shoes.

FIREFIGHTING PROCEDURES & EXTINGUISHING AGENTS EFFECTIVE

Small Fires

Use dry chemical, CO₂, water spray, or foam.

Large Fires

Use water spray, fog, or foam. Stay away from ends of tanks. Cool areas that are exposed to flame with water from the side until well after a fire is out. For massive fires in the area, use an unmanned hose holder or monitor nozzles. Withdraw immediately in case of rising sound from venting safety device or discoloration of tank.

(A)(2) APPLICABILITY

1. LOAD / DISCHARGE / TRANSFER OPERATIONS

This transfer procedure applies to oil loading and off-loading operations and to the transfer of oil from a storage tank or between storage tanks.

(2)(i) Line Diagram of Systems Located at End of Book

(2)(ii) There are no connections between the oil transfer and ballast systems

(2)(iii) Containment System (33 CFR 155.310, 33 CFR 155.320):

The vessel is equipped with a containment system as specified in 33 CFR 155.320. This system allows for the collection of oil that may overflow from tank vents. Because of the overflow system, this is unlikely, however, each containment system is discharged back to a common line that returns to tank 14.

Fixed containment systems under connections and overflows/air escapes shall be kept free of standing water and drained after operations. When the contents of the containment's is an oil or oily water mix, they shall be drained into a waste-oil tank or drum for holding and proper disposal. All mechanical plugs/closing mechanisms will be checked for liquid integrity.

2. OIL TRANSFER SYSTEM EQUIPMENT & SYSTEMS

1. The fuel transfer system is served by the following pumps:

- a) Two F.O. transfer pumps, placed in the engine room, are electric driven, vertical of screw type, each with capacity 59,7m³/h at total head 0,4MPa.
- b) One F.O. transfer pump, located in the Forward Pump Room (forward end of the Pipe Tunnel), is hydraulically driven. Hydraulic pressure generated by a diesel driven pump. The hydraulic motor has a capacity 70m³/h at total head 0,4MPa.
- c) One D.O. transfer pump, placed in the engine room, is electric driven, of screw type, with capacity 12,3m³/h at total head 0,4MPa.

The Electric driven F.O. Pumps and D.O. Pump are interchangeable, as a back-up, by first changing the position of the blind flanges in the interconnecting pipelines on the suction and discharge side of the pump to be used.

2. The lubricating oil transfer system is served by the following pumps:

- a) One cylinder oil transfer pump, is not used to transfer oil to or from the vessel but only to refill the M.E. cyl. oil day tank from the storage tank. This pump is not used in the bunkering process.
- b) One L.O. bunkering pump, electric driven placed in the L.O. bunker station port side, is the same type and parameters as the L.O. transfer pump in the engine room

NOTE: This pump removed from Cape Washington

3. The sludge pumps for separators are used to transfer waste oil from:

- a) the separator sludge tanks - nos. 13 and 14.
- b) the bilge water separator sludge tank - no. 17.

4. The bilge piston pump can be use to transfer oily bilge water from:
 - a) the bilge water tank - no. 12, 17, 18, 20.
 - b) the bilge water separator sludge tank - no. 17 - can be discharged on the 8th deck to the PS or SB L.O. bunker station.
5. The oil transfer system is equipped with a liquid level indicating system for the tanks, as follows:
 - a) F.O. and D.O. storage tanks - high level alarm.
 - b) F.O. daily service and settling tanks and D.O. daily service tanks - high and low level alarms.
 - c) fuel overflow tank - high and high/high level alarms.
 - d) M.E. lube. oil circulating tank - low level alarm.
6. The fuel transfer system is equipped with an overflow installation, consisting of:
 - a) the double-bottom fuel oil and diesel oil overflow tank #11
 - b) Overflow/Vent pipelines from the all fuel oil and diesel oil storage,settling andservice tanks to two overflow collection manifolds with individual tank sight-glasses, located in engine room, generator flat
 - d) The fuel transfer panel is in the engine room at floor level SB.
7. The pumps serving the oil transfer systems may be switched on/off at the locations shown in the "Bunkering Plan" no. B487-DZ15210-16 appended to this instruction. These locations include:
 - a) the fuel transfer control panel.
 - b) local start/stop - the L.O. bunkering pump.

NOTE: This pump removed from Cape Washington

3. PERSONAL REQUIRED DURING OIL TRANSFER OPERATIONS:

Minimum number (4) four

- Chief Engineer
- One Licensed Engineer
- Mate on watch
- One unlicensed member of the engine department.

4. DUTIES AND TITLE OF EACH PERSON

Chief Engineer

The Chief Engineer is designated as the Person-in-Charge of all oil transfer operations.

One Licensed Engineer (Designated by Chief Engineer)

All duties should be performed under the direction of the Chief Engineer:

- Connect and disconnect the oil transfer hoses;
- Sound all oil storage tanks before and after oil fill/transfer operations take place;
- Operate oil storage tank valves;
- During loading, control filling rate by monitoring transfer line pressure and overflow sight-glasses and notify the fueling facility of excess filling rate;
- For topping off purposes the rate of filling can be controlled by one engineer, in communication with the loading facility and operation of the remote operated fuel tank filling and suction valves, controlled from fuel transfer control panel.
- During off-loading, operate the fuel oil transfer pump;
- Assist as directed by Chief Engineer;
- Sign the Declaration of Inspection

Mate on Watch

- The Mate on watch will plug scuppers and direct the tending of the vessel's lines during oil loading, discharge or transferring;
- Post NO SMOKING OR OPEN LIGHTS signs in the vicinity of the gangway and the bunker station;
- Turn on the red bunkering light on the mast or fly the red bunkering flag during daylight hours;

- The person-in-charge of fueling shall be kept informed of any personnel changes (watch changes, etc.) or mooring conditions that will affect the fueling operation.

**One Unlicensed Member of the Engine Dept.
(Designated by the Chief Engineer)**

All duties should be performed under the direction of the Chief Engineer or the Designated licensed engineer.

- Connect the oil transfer hose;
- Observe the oil transfer hose during transfer operations;
- Operate emergency shutdown when necessary;
- Relay information between the facility supplying or receiving oil and the Refueling station;
- Observe water surface surrounding vessel for signs of oil or sheen;
- Assist as directed by Chief Engineer, or the designated licensed engineer;

5. TENDING OF VESSEL'S MOORING DURING OIL TRANSFER

The Mate on Watch must be notified before oil transfer operations are started. Tending of the vessel's mooring during transfer operations are the responsibility of the Mate on watch.

The Mate on Watch must ensure that the ship's mooring is sufficient as the situation dictates.

When it is necessary to tend the mooring lines, the Mate on Watch directs the Able seamen on watch to do so. If more men are required, the Mate on Watch calls out the personnel required.

6. PROCEDURES FOR THE EMERGENCY SHUTDOWN AND COMMUNICATIONS

Emergency Shutdown:

Emergency shut-down of the oil transfer process can be initiated by any member of either the ship's crew or transfer facility. This initiation can be generated by any means necessary. The shutdown for the fuel oil transfer pumps are provided at the engine control room and at the port and stbd bunkering stations.

CAUTION

Before transferring fuel oil/diesel oil, ensure that fuel oil/diesel oil settling, overflow and storage tanks' high level alarms are working.

Communications:

The vessels hand portable intrinsically safe radios "walkie-talkie's" are to be used for communication between barge or shore transfer facility and the vessel's oil transfer operating personnel. (telephones located in the control room and port and stbd bunkering stations may also be utilized as applicable.)

Also a simple system of hand-signals between the transfer facility and the crewman manning the bunker station shall be established and maintained through-out the transfer.

7. TOPPING OFF OF TANKS

1. The designated Person-in-Charge is responsible for overseeing the topping off of tanks. No tanks are to be topped off without his/her presence.
2. All tanks are to filled no more than 95% to allow for expansion of oils in the tanks.
3. When tanks are 90% full, a person designated by the Person-in-Charge is to take tape soundings until the tank is topped off and all valves are closed. Ensure that no liquid is entering the tank after shutdown by continuing to tape sound. A second person is to be stationed at one of the control stations to shut down the necessary valves upon completion of filling or transferring.
4. If possible (due to location of valve) a third person is to be stationed at the inlet valve to the tank to visually ensure it has closed properly.

8. COMPLETION OF FILLING OR TRANSFERRING OIL

Under no circumstance shall hoses be blown out from the transfer facility.

Upon completion of filling or transferring oil .the Person-in-Charge (or a designated person) shall close all valves opened during operations. A walk around to visually inspect all valves shall be completed to ensure the system is closed and communicated to all involved personnel

If draining the hose is necessary, after all valves are closed aboard the ship, a vent valve at the bunker station can be opened to allow the bunker hose to drain back to the transfer facility, by gravity.

CAUTION

Upon completion of the oil loading or transfer, close the bunker filling station valves and install blind flanges and gaskets to insure no leakage of oil if an unauthorized opening of the valves occur.

GENERAL

1. APPLICATION OF PROCEDURES

The oil transfer procedures described in this instruction apply to fuel oil, diesel oil and lubricating oils to use on board the vessel. Only transferring of oil to and from the vessel is described here. Tank to Tank oil transfer procedures, as well as waste oil and oily bilge water operation are included later in this instruction.

2. CONTROL LOCATIONS

Remote control of the fuel transfer system can be performed from the following locations; Engine room lower level and port and stbd. bunkering stations. The bilge and ballast systems are remotely operated from the deck control room.

The fuel transfer system control are capable of the following functions:

- level indicating equipment for the tanks
- switches for opening/closing the remote valves
- start/stop devices of the pumps serving each system.

The panels are made as mimic schemes showing piping connections with all valves, pumps, tanks, etc. so as all the system functions and connections are self-explanatory and easy to be operated.

3. CHECK LISTS FOR OIL TRANSFER

Prior to transfer of oil to and from the vessel, it is necessary to fulfill the following requirements.

- a) No item of equipment required by 33 CFR 154.500 may be used in oil transfer operations unless it has been tested and inspected in accordance with 33 CFR 156.170 and meets the minimum conditions specified in the rules.
- b) A written report has to be available for inspection by the USCG OCMI, giving information about:
 - 1) The name of each person currently designated as a Person-in-Charge of oil transfer operation.
 - 2) The date and result of the most recent test or inspection as required by 33 CFR 156.170.
- c) The vessel's moorings are to be strong enough to hold in all expected conditions of surge, current and weather and are to be long enough to allow adjustment for changes in draft, drift and tide during the transfer operation. The deck watch (mate and 2 AB's) will make frequent inspections and adjustments as necessary.
- d) Preparations for bunkering - The Person-in-Charge of oil transfer operation, normally the Chief Engineer on the vessel, i.e. on the receiving vessel, has to hold a conference with the Person-in-Charge of oil transfer operations on the transferring vessel or facility, it is to assure that each Person-in-Charge understands the following details of the transfer operation.
 - 1) The identify of the product to be transferred.
 - 2) The sequence of transfer operations.
 - 3) The transfer rate.
 - 4) The name and/or title and location of each person participating in the transfer operation. (See Page 9, PERSONAL REQUIRED FOR DUTY DURING OIL TRANSFER OPERATIONS.)
 - 5) Particulars of the transferring and receiving systems.
 - 6) Critical stages of the transfer operation.
 - 7) The local rules applying to the transfer of oil operation.

- 8) Emergency procedures.
- 9) Discharge containment procedures.
- 10) Complete the oil record book, in accordance with Marpol 73/78 (Amend 4/93) and 33 CFR 151.25.
- 11) Discharge reporting procedures.
- 12) Watch and shift arrangement.
- 13) Transfer shutdown procedures.
- 14) Communications - radio channel/back-up communications (whistles).

4. DECLARATION OF INSPECTION

When in U.S. waters , oil may not be transferred to or from the vessel unless each Person-in-Charge of transfer of oil has signed the declaration of inspection form, which is described in 33 CFR 156.150. (See Appendix A)

5. BEFORE BEGINNING THE OIL TRANSFER OPERATION–

The Person-in-Charge of transfer of oil must assure that:

- a) Oil transfer hoses are long enough to allow the vessel to move to the limits of its moorings without placing strain on the hose, loading arm or transfer piping systems.
- b) Each hose is supported in a manner that prevents strain on its coupling.
- c) Each part of the transfer system, not necessary for the transfer operation, is securely blanked or shut off.
- d) Each part of the transfer system necessary to allow the flow of oil is lined up for the transfer.
- e) The lamps in the control panels are tested: switches, buttons and control devices are in position and operable.

- f) The emergency shutdown means are in position and operable and manned during start-ups and top-offs.
- g) At least one person is present who fluently speaks the language spoken by each Person-in-Charge of transfer of oil, either on the transferring or receiving vessel or facility.
- h) Each Person-in-Charge required for the oil transfer operation must be in the immediate vicinity of operations during the entire process.
- i) Between sunset and sunrise the required lighting is provided and the Person-in-Charge of oil transfer operations on the transferring vessel or facility and the Person-in-Charge of oil transfer operations on the receiving vessel or facility agree to begin the transfer operation.

6. SUPERVISION BY PERSON-IN-CHARGE

- a) No person may connect, top off, disconnect or engage in any other critical oil transfer operation unless the Person-in-Charge of transfer of oil personally supervises the operation.
- b) No person may start the flow of oil to or from the vessel unless the Person-in-Charge is in the immediate vicinity of the transfer operation and immediately available to the oil transfer personnel.

7. PROHIBITED ACTIVITIES

The following activities are prohibited during oil transfer except under the conditions set out:

- a) Visitors: No unauthorized person shall be allowed on board during transfer operations. Only persons with business accompanied by ship's personnel shall be permitted on board.

- b) Ballast & Bilge Water: The discharge of contaminated ballast, bilge water or slop into inland waters is prohibited. If facilities are available ashore, and vessel's overboard discharge lines are tightly closed, ballast, bilge water, or slop containing traces of oil that must be disposed of, shall be pumped ashore, but only after securing permission from shore or terminal representative. Simultaneous pumping of fuel oil and bilge or slop shall be allowed only if considered non-hazardous by mutual agreement of the person-in-charge and the shore operation.
- c) Other Vessels Passing, Securing or Casting Off: Loading or discharging of products shall not be commenced, or if commenced, shall be discontinued while other vessels are passing, securing or casting off within a hazardous distance. No towboats shall be allowed to come alongside or within a hazardous distance while loading or discharging petroleum products.
- d) Electrical Storms: Loading or discharging of fuel shall not be commenced, or if commenced, shall be stopped during electrical storms.
- e) Extension Lights: The use of extension lights is prohibited except in spaces tested gas free.
- f) Vapor-proof Lights: No lights other than vapor-proof lights (explosion proof flashlights) shall be used in place subject to gas accumulation.
- g) Smoking: Smoking is prohibited except in places designated, and at times authorized, by the Sr. Ship's Officer as a "Smoking Area".
- h) Matches and Lighters: The carrying of "strike anywhere" matches or automatic lighters, either on the vessel or the deck is prohibited. All disposable butane lighters, if brought on board, shall be kept in the crew's staterooms and not brought into cargo holds or deck spaces.
- i) Repairing of Tanks/or Repairs in Cargo Holds in way of Tanks: Repairs in these areas are strictly prohibited during loading and discharging of petroleum products.
- j) Spark-producing Tools: Spark producing tools or equipment shall not be used in spaces or areas where flammable vapors are present or are apt to be present.

- k) Hot Work: Hot work shall not be performed on board unless it is taking place in “safe zone” away from all petroleum vapors and hazards, and only if the area has been tested as gas-free and safe for hot work.
- l) Doorways: All doors at the main deck level shall be closed and remain closed except as required temporarily to be opened under safe conditions for passage of personnel or activities essential to operations.

NOTE: Although mentioned previously in these procedures, the person-in-charge shall be alert for spillage or accumulation of vapors during operations. If loading or discharging is in progress, operations shall be stopped and not resumed until the condition is corrected.

FUEL OIL TRANSFER

1. TRANSFER OF FUEL OIL TO THE VESSEL

Filling / discharge connections for fuel and lubes as well as the Marpol shore connection are located at the bunkering stations. The bunker stations are located between frames 105-107 on both the port and starboard sides.

To make the system ready to pump fuel oil to the vessel, open the butterfly valve FO-TR 24 PS or FO-TR 25 SB. Ensure that the butterfly valve HCV-370.3 is open.

2. FILLING THE F.O. TANKS INSIDE THE ENGINE ROOM

With the bunker station prepared as described in Step 1 above, Open valve FO-TR-45 to allow fuel to reach the F. O. transfer manifold (located in lower engine room port side). To fill FO Settling tank #23, open hydraulic valve HCV 370.15 and manual valve FO-TR35.

To fill FO Storage Tank #26, open hydraulic valve HCV-370.21

Observe the oil level indicators/alarms during filling operation. A sight-glass in the overflow line from the filled tank shall be observed to secure against overfilling.

When filling operation is complete, close valves to tanks.

3. FILLING THE F.O. TANKS OUTSIDE THE ENGINE ROOM

Open the valves specified in Step 1. To fill tanks 2 PS, 2 SB, 3 PS, 3 SB, 4 CL, open appropriate hydraulic valve. To complete filling operation, close appropriate valve. These valves are opened and closed remotely by hydraulics. Controls for these valves are found at the fuel transfer control panel.

Overflows from the tanks nos. 2 PS, 2 SB, 3 PS, 3 SB, 4 CL are led to the overflow manifold in the auxiliary generator room PS.

Another person is required in order to view the overflow sight glass at the manifold. This is necessary to ensure that forward tanks are not being overfilled. Close all valves when tanks are full or when bunkering is completed.

The by-pass line and valve HCV-370.22 is provided to allow emptying of the main overflow pipeline when the vessel's trim is by the head. This by-pass should be closed and checked prior to the start of bunkering.

4. TRANSFER OF FUEL OIL FROM THE VESSEL

For bunkering and debunkering, the same system configuration is used. Open the butterfly valves FO-TR 24 PS or FO-TR 25 SB, depending on which bunker station is to be used to discharge fuel oil from ship to barge or shoreside facility. The butterfly valve HCV-370.3 shall be kept open. Open the valves on the suction and discharge sides of the F.O. transfer pumps open FO-TR41 and FO-TR45 on Fo Transfer manifold and open the HCV at the tank chosen for emptying. Start pump and observe pressure, flow and tank level.

5. THE TRANSFER RATE ALLOWED FOR FUEL OIL OR DIESEL OIL IS 300 TONS/HR.

The #11 overflow tank is common to both the F.O. and the D.O. system.

DIESEL OIL TRANSFER

1. TRANSFER RATE

See paragraph 5.

2. TRANSFER OF DIESEL OIL TO THE VESSEL

The shore connections of D_n 200 mm for diesel oil are located nearby those for fuel oil - in the PS and SB bunker stations.

To line the system up for the delivery of diesel oil, open the butterfly valve DO-TR 22 PS or DO-TR 23 SB depending on which side you will be working. Ensure that the butterfly valve HCV-370.14 is open. This valve should only be closed for cleaning of the filter. Open the four valves located in the two valve-chests in the engine room. On the port side open DOTR-47 (7P), DOTR-48 (7C), DOTR-49 (7S). On the starboard side open DOTR-50 (6C). Now the diesel oil transfer operation may be controlled remotely, from the control panel, by opening the HCV in the line to the tank that has to be filled. Observe the oil level indicator/alarm during filling operation. A high level alarm is a signal to stop filling of the tank. Additionally, a sight-glass in the overflow line from the respective tank is to be observed to ensure against overfilling.

When the operation is complete all valves to the tank filling lines shall be closed.

3. TRANSFER OF DIESEL OIL FROM THE VESSEL

Using the same transfer pipelines, diesel oil may be transferred from any of the storage tanks to the bunkering stations for transfer to another vessel or shore based facility.

After all hose connections are made at the bunkering station, either DO-TR22 or DO-TR23 will be opened, depending on which side of the vessel, transfer is taking place. Open HCV 370.14 (hydraulically controlled valve), open appropriate manifold valve for tank being transfer from and its corresponding HCV. Open suction and discharge valves of DO Transfer pump and insure all other valves in system are closed and secured. Start pump and observe pressure, flow and tank level. When complete, stop pump and return all valves to closed position.

These operations are to be controlled from the fuel transfer control panel. This is done by opening the HCV at the discharge tank while the remaining HCV are kept closed.

Diesel oil is normally pumped using the D.O. transfer pump. In an emergency the F.O. transfer pump may be used.

When the F.O. transfer pump is used for diesel oil, close the suction and discharge valves on the D.O. pump and change position of the blind flanges in the interconnecting lines. In addition, close the valves FO-TR34 and FO-TR39 on the off line F.O. transfer pump.

5. TRANSFER OF FUEL FOR EMERGENCY DIESEL

The emergency diesel day tank is filled by using the diesel oil transfer pump. The pump takes suction from the D.O. double bottom storage tanks and discharges via the D.O. suction/discharge manifold to the emergency diesel day tank. Verify that all valves are closed in the system before pumping of oil to the tank. Verify the incinerator fill valve is closed.

Open the suction and discharge valves of the D.O. transfer pump (DO-TR37) and (DO-TR33). Open the manifold suction valve for the tank from which diesel is being transferred

Open the fill valve of the emergency diesel day tank (located in the emergency diesel room). Remotely operate the D.O. transfer pump from the bunkering control panel (located in the engine room). Open hydraulically controlled tank isolation valve of the D.O. tank from which the tank is being transferred. Start the D.O. transfer pump from the bunkering control panel. Fill the tank as required.

Overflow from emergency diesel day tank is drained back to the fuel overflow tank No. 11. Overflow can be observed through the sight-glass for tank No. 11 outside Fuel Oil; Pump room. Monitor the sight glass to ensure there is no overflow from the tank.

When the operation is complete, close all valves to tank filling lines.

6. OVERFLOW PIPELINES

All the diesel oil tanks are led to the fuel overflow tank No. 11, via the overflow manifolds in generator flat port side.

It is important to observe the level alarm lamps for tank No. 11 located in the fuel transfer control panel and audible alarm in the EOS and Engine room.. In case of the high level alarm, **stop all bunkering immediately and determine the source.**

LUBRICATING OIL TRANSFER

1. KINDS OF LUBE OILS

The vessel utilizes the following kinds of lube oils:

- a) main engine lubricating circulating oil
- b) main engine cylinder oil
- c) auxiliary engine lubricating oil
- d) compressor lube oil
- e) turbocharger lube oil
- f) hydraulic oils

All oils are stored in the tanks in the engine room area.

2. TRANSFER OF LUBE OIL TO THE VESSEL

Every oil type has its own separate filling connection in both the PS and SB bunker stations, on 8-deck, aft mooring station with the exception of:

- a) turboblower lube oil which is stored in the 20 liter pails
- b) hydraulic oil with direct filling from deck 8 to tanks #38, #39.

Shore connections for the various oils are shut off using stop valves as follows:

Fill-6	D _n	=	40 mm	- Compressor lube oil
Fill-7	D _n	=	100 mm	- Aux. eng. lube oil
Fill-8	D _n	=	100 mm	- M.E. lube oil
Fill-9	D _n	=	100 mm	- M.E. cylinder oil

For transfer of lube oil from the transferring vessel or facility to the vessel:

- a) Compressor lube oil - Open the valve Fill-6 PS or SB and the tank NO. 128 - compressor lube oil - is ready to be filled.

- b) Auxiliary. eng. lube oil - Open the valve Fill-7 PS or SB and the stop-valve at one of the aux. eng. lube oil storage tanks nos. 27A,27B.
- c) M.E. lube oil - Open the valve Fill-8 PS or SB and the M.E. lube oil storage tank no. 28 is ready to be filled.
- d) M.E. cyl. oil - Open the valve Fill-9 PS or SB and the stop valve at one of the M.E. cyl. oil, storage tanks nos. 29A, 29B.
- e) Hydraulic oils - To prepare for transfer of hydraulic oil to the vessel, join the hose from the facility directly with the local filling at the tank no. 38, Fill-19, or at the tank no. 39, Fill-13, on deck no. 8. All transfer operations must be done manually. If lube oil is taken from barrels, open one of the valves Fill-6, Fill-7, Fill-8, Fill-9 on the L.O. bunkering pump, (**NOTE: Cape Wrath only, Cape Washington uses portable barrel pump**) discharge side while the pump suction is to be connected to the barrel by the hose. Ensure that the stop valves for the shore connections are closed and the connections are blanked securely.

Note: The L.O. tanks are not included in the level indicating system on the fuel transfer panel.

WASTE OIL AND OILY BILGE WATER TRANSFER

1. WASTE LUBE OIL

Sludge from the L.O. separators and tank No. 13, may be consumed by the waste incinerator or discharged to a shore facility or barge from the shore connection on 8 deck SB, Join the hose from the receiving vessel or facility with this connection, open the valve on a discharge side of the L.O. sludge pump and open the valve LO-TR6 at the tank no. 13 and the valve LO-TR8 in the bunker station.

Now the pump may be started observing pressure, flow and tank level..

2. WASTE FUEL OIL

Sludge from the H.F.O. and D.O. separators and tank no.14, may be consumed in the waste incinerator or discharged to a shore facility or barge from the shore connection located at the F.O. bunker station on the 8th deck PS or SB. Join the hose from the receiving vessel or facility with this connection, open the valves on suction and discharge sides of the fuel sludge pump, and open the valve FO-108 at the tank no. 14 and the valves FO-112PS or FO-113 SB in bunkering station.

Now the pump may be started observing pump pressure, flow and tank level..

3 BILGE WATER

Bilge water from tank no. 18, as well as oil sludge from tank no. 17 may be drawn through the non-return type valve-chests by the bilge piston pump. The pump discharges the bilge water on the 8th deck where - in the PS and SB L.O. bunker stations -there are shore connections.

Open the valves on suction and discharge sides of the piston bilge pump and discharge to 8-deck shore connection. Ensure proper hook-up of hose to reception facility at 8-deck shore connection.

Now the pump may be started, observing pump pressure, flow and tank levels.

OIL SPILL PROCEDURES

1. GENERAL

To prevent oil or hazardous material spills, attentiveness, use of proper equipment, maintenance and adherence to approved operational procedures should be exercised. If a spill occurs, despite the best care and vigilance of the officer-in-charge, it will require the immediate coordination and cleanup effort of both shipboard and terminal personnel and, in the case of larger spills, cleanup firms.

The vessel's SOPEP contingency plan gives shipboard personnel a preplanned response for dealing quickly and effectively with accidental spills at sea, at anchor, or at the berth. The primary goal is to limit, as far as practicable, serious injuries, loss of property, or damage to the environment and wildlife. The plan outlines some recommended procedures that should be undertaken by personnel during the initial stages of a discharge. The responsibilities of ship personnel with regard to reporting and cleanup are also defined.

The current vessel manager may also have reference material and procedures developed in greater detail than can be supplied here. It is the responsibility of the person-in-charge to ensure all personnel are trained in their duties and are made aware of the current procedures and guidelines.

Spills originate from many sources ranging from cargo and bunker transfer operations to groundings, collisions, and fires. Catastrophic casualties resulting in the loss of hull integrity can result in a major spill with serious consequences. This can be averted if shipboard personnel have access to technical, legal and public relations assistance. Situations encountered must be handled properly and in the best interests of the environment, the customer, the Ship Manager, and in particular, the industry in general.

2. INITIAL ACTION

Regardless of spill size, the primary concern of shipboard personnel should be to minimize the hazard and damage to personnel, property, environment, and cargo. In the event of spills resulting from ship collision or grounding, the requirements for immediate, prudent action consistent with good seamanship is foremost.

Any action, which can be initiated to stop the product flow or improve the containment of the spill, should be taken, including transfer of cargo, adjustment of vessel trim, or employment of other suitable means to stop or reduce the escape of the product.

After the flow has been stopped, the possibility of accidental fire onboard should be reduced by commencing shipboard cleanup actions as soon as possible.

Terminal and/or clean-up services shall be immediately notified and clean-up operations must be IMMEDIATELY commenced. The "officer-in-charge" must personally notify the USCG and local authorities with incident details.

The name and time of the personnel contacted is to be noted in the deck log book with details such as nature and extent of the spill. A report, including name and contacting authority, shall be made and submitted to the Master for transmitting to Marine Dept. Modification or special instructions are generally covered in the Ship Managers Safety Management System.

3. REPORTING

The Federal Water Pollution Control Act of 1970 requires immediate reporting when any oil or hazardous material is discharged into or upon the navigable waters of the United States, adjoining shorelines, or into the waters of the contiguous (21-mile) zone. Failure to comply with this requirement can result in a \$50,000 fine or imprisonment for one year, or both, for the Person-in-Charge of the vessel.

Federal Law requires that such reports be made to the National Response Center, Washington, D.C.



An initial spill report can also be submitted on line at:
<http://www.nrc.uscg.mil/vesselreport.htm>

If the National Response Center cannot be reached via the toll free number or other rapid means, the nearest Coast Guard district office should be notified without delay. (Although not required by law, it is recommended that the nearest Coast Guard district office be notified even if the National Response Center has been reached.) Coast Guard district office numbers and State Environmental agency numbers are in Appendices B & C.

VESSEL OPENINGS

When preparing the vessel for sea, the Mate on Watch shall ensure that all expansion trunks, ullage openings, sounding ports, tank cleaning openings and any other vessel opening that may effect the vessel's seaworthiness, shall be securely closed and made ready for sea.

APPENDIX A

DECLARATION OF INSPECTION PRIOR TO BULK CARGO TRANSFER

Date:	Time:
Receiving Unit (Name and Address):	
Delivering Unit (Name and Address):	

The following list refers to requirements set forth in detail in 33 CFR 156.120, 156.150 and 46 CFR 35, 35-30. The spaces adjacent to items on the list are provided to indicate that the detailed requirement has been met. Retain on file for one month from the date of completion.

	Deliverer	Receiver
01. Safe smoking spaces. (36,35-30)		
02. Repair work authorization. (35.35-30)		
03. Boiler and galley firs safety. (35.35-30)		
04. Fires or open flames. (35.35-30)		
05. Warning signs and red warning signals. (35.35-30)		
06. Vessels moorings. 156.120 (a)		
07. Hoses and loading arms, length and support. 156.120 (b) ©		
08. Transfer system alignment. 156.120 (d)		
09. Transfer system, unused components. 156.120 (e)		
10. Unused hoses and loading arms blanked. 156.120 (f)		
11. Transfer system, fixed piping. 156.120 (g)		
12. Overboardr discharges/sea suction valves. 156.120 (h)		
13. Transfer hose condition. 156.120 (i)		
14. Hose and loading arm, test markings. 156.120 (j)		
15. Connections, gaskets, bolts. 156.120 (k)		
16. Monitoring devices (where required). 156.120 (l)		
17. Discharge containment system. 156.120 (m) (n)		
18. Scuppers and drains. 156.120 (o)		
19. Connections and glands tight. 156.120 (p)		
20. Communications, established and operable. 156.120 (q)		
21. Emergency shutdown. 156.120 (r)		
22. Person in charge. 156.120 (s) (t)		
23. Sufficient personnel. 156.120 (u)		
24. Language to be used: 156.120 (v) Interpreter: (if any)		
25. Lighting (sunset to sunrise). 156.120 (y) (z)		
26. Agreement to begin transfer. 156.120 (x)		
27. Transfer conference. 156.120 (w)		

Sequence	Product Name	Qty Bbls	Rate of Pressure (PSI)
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

I do certify that I have personally inspected this facility or vessel with reference to the requirements and that opposite of them I have indicated that the regulations have been compiled with.

Person in Charge of Receiving Unit	Title	Time and Date
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
Person in Charge of Delivering Unit	Title	Time and Date
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

APPENDIX B



2001

UNITED STATES COAST GUARD

Marine Safety & Environmental Protection
(G-M)

TELEPHONE DIRECTORY

The primary method of distribution for this directory will be via the G-M World Wide Web site, which can be found at <http://www.uscg.mil/hq/g-m/gmhome.htm>. An updated paper version will be printed and distributed in limited quantities yearly; however, we will be happy to E-mail you an electronic copy that is updated as we receive input from each G-M office. We will update the World Wide Web site on a continuous schedule/basis.

Edward T. Hardin, Executive Editor
USCG, National Maritime Center
4200 Wilson Blvd., Suite 630
Arlington, VA 22203-1804

Your support in keeping the G-M Phone Book current is greatly appreciated

For updates or changes call: (202) 493-1052 voice (202) 493-1065 Fax or E-mail

ehardin@ballston.uscg.mil

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Headquarters "M"

The Mailing Address for all Headquarters offices is:

2100 Second St., SW
Washington, DC 20593-0001

Assistant Commandant for Marine Safety and Environmental Protection (G-M) USCG Headquarters Room 2408 <i>Main Number: (202) 267-2200, Fax Number: (202) 267-4839</i>
Assistant Commandant Executive Assistant Administrative Specialist

Administration and Coordination Staff (G-M-1) USCG Headquarters Room 2408 <i>Main Number: (202) 267-2200, Fax Number: (202) 267-4839</i>

Chief
Administrative Support

Director of Waterways Management (G-MW) USCG Headquarters Room 1408 <i>Main Number: (202) 267-6164, Fax Number: (202) 267-4700</i>

Director
Administrative Support

Great Lakes Pilotage Staff (G-MW-1) USCG Headquarters Room 2412 <i>Main Number: (202) 267-6447, Fax Number: (202) 267-4700</i>

Chief
Administrative Support

Office of Policy and Planning (G-MWP) USCG Headquarters Room 1408 <i>Main Number: (202) 267-6170, Fax Number: (202) 267-4700</i>

Chief

Coordination Division (G-MWP-1) USCG Headquarters Room 1408 <i>Main Number: (202) 267-0388, Fax Number: (202) 267-4700</i>

Chief

Security and Safety Division (G-MWP-2) USCG Headquarters Room 1408 <i>Main Number: (202) 267-6166, Fax Number: (202) 267-4700</i>
--

Chief

Office of Vessel Traffic Management (G-MWV) USCG Headquarters Room 1407 <i>Main Number: (202) 267-0407, Fax Number: (202) 267-4826</i>

Chief
Administrative Support

<p>VTS Operation and Personnel (G-MWV-1) USCG Headquarters Room 1409 <i>Main Number: (202) 267-0407, Fax Number: (202) 267-4826</i></p> <p>Chief</p>
<p>Facility Division (G-MWV-2) USCG Headquarters Room 1409 <i>Main Number: (202) 267-0407, Fax Number: (202) 267-4826</i></p> <p>Chief</p>
<p>Director of Field Activities (G-MO) USCG Headquarters Room 2406 <i>Main Number: (202) 267-2201, Fax Number: (202) 267-4839</i></p> <p>Director Administrative Support</p>
<p>ABS Liaison Houston ABS Americas 16855 Northchase Dr. Houston, TX 77060-6008 <i>Fax (281) 877-6797, Main Number: (281) 877-6523-</i></p>
<p>Quality Assurance Staff (G-MO-1) USCG Headquarters Room 2110 <i>Main Number: (202) 267-1080, Fax Number: (202) 267-4677</i></p> <p>Chief Administrative Support</p>
<p>Office of Compliance (G-MOC) USCG Headquarters Room 1116 <i>Main Number: (202) 267-2978</i></p> <p>Chief</p>
<p>Domestic Compliance Division (G-MOC-1) USCG Headquarters Room 1116 <i>Main Number: (202) 267-1934</i></p> <p>Chief</p>
<p>Foreign & Offshore Compliance Division (G-MOC-2) USCG Headquarters Room 1116 <i>Main Number: (202) 267-0972, Fax Number: (202) 267-0506</i></p> <p>Chief</p>
<p>Fishing Vessel Safety Division (G-MOC-3) USCG Headquarters Room 1116 <i>Main Number: (202) 267-0505, Fax Number: (202) 267-0506</i></p> <p>Chief</p>
<p>Office of Response (G-MOR) USCG Headquarters Room 2100 <i>Main Number: (202) 267-0518, Fax Number: (202) 267-4065/4085</i></p> <p>Chief Administrative Support</p>

Port and Environmental Management Division (G-MOR-1) USCG Headquarters Room 2100 <i>Main Number: (202) 267-0518, Fax Number: (202) 267-4065/4085</i>
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Plans and Preparedness Division (G-MOR-2) USCG Headquarters Room 2100 <i>Main Number: (202) 267-0518, Fax Number: (202) 267-4065/4085</i>
Chief

Response Operations Division (G-MOR-3) USCG Headquarters Room 2100 <i>Main Number: (202) 267-0518, Fax Number: (202) 267-4065/4085</i>
Chief

Office of Investigations and Analysis (G-MOA) USCG Headquarters Room 2404 <i>Main Number: (202) 267-1430, Fax Number: (202) 267-1416</i>
Chief Administrative Support

Investigations Division (G-MOA-1) USCG Headquarters Room 2406 <i>Main Number: (202) 267-1430, Fax Number: (202) 267-1416</i>
Chief

Compliance Analysis Division (G-MOA-2) USCG Headquarters Room 2406 <i>Main Number: (202) 267-1430, Fax Number: (202) 267-1416</i>
Chief

Director of Standards (G-MS) USCG Headquarters Room 1218 <i>Main Number: (202) 267-2970, Fax Number: (202) 267-4816</i>
Director

Office of Design and Engineering Standards (G-MSE) USCG Headquarters Room 1218 <i>Main Number: (202) 267-2969, Fax Number: (202) 267-4816</i>
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Ship Design Division (G-MSE-1) USCG Headquarters Room 1304 <i>Main Number: (202) 267-2997, Fax Number: (202) 267-4816</i>
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<p>Systems Engineering Division (G-MSE-3) USCG Headquarters Room 1300 <i>Main Number: (202) 267-0030, Fax Number: (202) 267-4816</i></p>
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<p>Lifesaving and Fire Safety Division (G-MSE-4) USCG Headquarters Room 1308 <i>Main Number: (202) 267-1444, Fax Number: (202) 267-1069</i></p>
Chief
<p>Office of Operating and Environmental Standards (G-MSO) USCG Headquarters Room 1210 <i>Main Number: (202) 267-0214, Fax Number: (202) 267-4570</i></p>
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<p>Vessel and Facility Operating Standards Division (G-MSO-2) USCG Headquarters Room 1210 <i>Main Number: (202) 267-1181, Fax Number: (202) 267-4570</i></p>
Chief Administrative Support
<p>Hazardous Materials Standards Division (G-MSO-3) USCG Headquarters Room 1210 <i>Main Number: (202) 267-1217, Fax Number: (202) 267-4570</i></p>
Chief Administrative Support
<p>Environmental Standards Division (G-MSO-4) USCG Headquarters Room 1309 <i>Main Number: (202) 267-1354, Fax Number: (202) 267-4690</i></p>
Chief
<p>Office of Standards Evaluation and Development (G-MSR) USCG Headquarters Room 1400 <i>Main Number: (202) 267-6826, Fax Number: (202) 267-4547</i></p>
Chief Administrative Support
<p>Standards Evaluation and Analysis Division (G-MSR-1) USCG Headquarters Room 1400 <i>Main Number: (202) 267-2857, Fax Number: (202) 267-4547</i></p>
Chief

Project Development Division (G-MSR-2) USCG Headquarters Room 1312 <i>Main Number: (202) 267-1492, Fax Number: (202) 267-4547</i>
Chief Administrative Support
Director of Resources Management (G-MR) USCG Headquarters Room 1206 <i>Main Number: (202) 267-6955, Fax Number: (202) 267-4402</i>
Director Administrative Support
Office of Planning and Resources (G-MRP) USCG Headquarters Room 2412 <i>Main Number: (202) 267-0704, Fax Number: (202) 267-1408</i>
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Strategic Planning and Analysis Division (G-MRP-1) USCG Headquarters Room 2412 <i>Main Number: (202) 267-1409, Fax Number: (202) 267-1408</i>
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Human Resources Division (G-MRP-3) USCG Headquarters Room 2412 <i>Main Number: (202) 267-0793, Fax Number: (202) 267-1408</i>
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Office of Information Resources (G-MRI) USCG Headquarters Room 1206 <i>Main Number: (202) 267-6993, Fax Number: (202) 267-4402</i>
Chief Administrative Support
Data Administration Division (G-MRI-1) USCG Headquarters Room 1206 <i>Main Number: (202) 267-1061, Fax Number: (202) 267-4402</i>
Chief Administrative Support
System Support Division (G-MRI-2) USCG Headquarters Room 1202 <i>Main Number: (202) 267-0452, Fax Number: (202) 267-4402</i>
Chief Administrative Support

<p>System Development Division (G-MRI-3) USCG Headquarters Room 1204 <i>Main Number: (202) 267-0452, Fax Number: (202) 267-4402</i></p>
<p>Chief</p>

Districts and District Units

First District

Commander, First Coast Guard District 408 Atlantic Ave. Boston, MA 02110	
Commander	(617) 223-8473
Chief of Staff	(617) 223-8473
Chief Marine Safety (M)	(617) 223-8439
Assistant Chief (M)	(617) 223-8130
Chief Compliance (MOC)	(617) 223-8130
Chief Response (MOR)	(617) 223-8125
Administration	(617) 223-8587
Fax	(617) 223-8094

USCG MIO Europe PSC 72 Box 189 APO AE, 09709, Netherlands	
Commanding Officer	011-31-10-442-4458
Executive Officer	011-31-10-442-4458
Fax	011-31-10-450-4752

MSO Boston 455 Commercial St. Boston, MA 02109-1045	
Commanding Officer	(617) 223-3025
Executive Officer	(617) 223-3028
Executive Secretary	(617) 223-3025
Command Master Chief	(617) 223-3002
Administrative Support	(617) 223-3435
Port Operations Department	(617) 223-3001
Commercial Fishing Vessel Inspection	(617) 223-3045
Regional Examining Center	(617) 223-3040
Marine Environmental Response	(617) 223-3007
Facilities	(617) 223-3030
Inspections Department	(617) 557-9085
Senior Investigating Officer	(617) 223-3433
Fax	(617) 223-3032

USCG Activities New York 212 Coast Guard Dr. Staten Island, NY 10305	
Commander	(718) 354-4003
Deputy Commander	(718) 354-4003

Marine Response Division	
Chief	(718) 354-4102
Fax	(718) 354-4140
Duty Officer (24hr)	(718) 354-4121

Waterways Management Division	
Chief	(718) 354-4188
Branch Chief	(718) 354-4191
Watch (24hr)	(718) 354-4121
Fax	(718) 354-4096

Prevention & Compliance Division	
Chief	(718) 354-4207
Inspection Branch	(718) 354-4240
Assistant Inspection Branch	(718) 354-4298
Deep Draft	(718) 354-4289
Small Passenger	(718) 354-4008
Port State Team	(718) 354-4244
Fax	(718) 354-4301

Investigations & Analysis Branch	
Chief	(718) 354- 4220
Fax	(718) 354- 4224

Licensing/ Merchant Marine Documents <i>Battery Park Building</i> <i>1 South St.</i> <i>New York, NY 10004-1466</i>	
Regional Exam Center	(212) 668-6731
General Numbers	(212) 668-4970/7864
Fax	(212) 668-6394

MSO Providence <i>20 Risho Ave.</i> <i>East Providence, RI 02914-1208</i> <i>Main Number: (410) 435-2300, Fax Number: (410) 435-2339</i>	
Commanding Officer	(401) 435-2300
Executive Officer	(401) 435-2300
Chief, Administration	(401) 435-2320
Chief, Prevention	(401) 435-2350
Senior Investigation Officer	(401) 435-2332
Waterways Management	(401) 435-2330
Chief, Response	(401) 435-2340
Fax (Administration)	(401) 435-2382
Auxiliary Desk	(410) 435-2334

MSFO Cape Cod <i>Office Building 3434</i> <i>Otis ANGB, MA 02542</i>	
Supervisor	(508) 968-6556/8
Fax	(508) 968-6550

MSFO New Bedford 918 S. Rodney French Blvd. New Bedford, MA 02744	
Supervisor	(508) 999-0072
Fishing Vessel Examiner	(508) 991-6812
Fax	(508) 999-6493

MSO Portland 103 Commercial St. Portland, ME 04101-4726	
Commanding Officer	(207) 780-3251
Executive Officer	(207) 780-3251
Prevention	(207) 780-3674
Response and Planning	(207) 780-3091
Investigation & Analysis	(207) 780-3397
Fishing Vessel Exam	(207) 780-3256
Fax	(207) 780-3567

MSFO Portsmouth MSFO New Castle New Castle, NH 03854-0600	
Supervisor	(603) 433-7324
Fax	(603) 433-7570

MSFO Bucksport P O Box 1909 Bucksport, ME 04416	
Supervisor	(207) 469-2497
Fax	(207) 469-2538

Group/MSO Long Island Sound 120 Woodward Ave. New Haven, CT 06512-3698 Main Number: (203) 468-4401, Fax Number: (203) 468-4443/4418	
Commanding Officer	(203) 468-4470
Executive Officer	(203) 468-4471
Commanding Senior Chief	(203) 468-4423
Prevention Dept.	(203) 468-4504
Investigations	(203) 468-4501
Inspections	(203) 468-4505
Commercial Fishing Vessel Safety	(203) 468-4437
Port State Control	(203) 468-4426
Facilities	(203) 468-4422
Readiness & Response Dept. (O&M)	(203) 468-4442
Response Branch (Group Ops)	(203) 468-4406
Planning/ Training	(203) 468-4420
Commanding Center Dept. (O&M)	(203) 468-4410
Pollution Response	(203) 468-4428
Administrative & Supply Dept.	(203) 468-4484
Engineering Dept.	(203) 468-4521
General Information	(203) 468-4444

MSFO Coram New York 2045 Route 112 Coram, NY 11727	
Supervisor	(631) 732-0569
Fax	(631) 732-1636

Fifth District

Commander, Atlantic Area & Fifth Coast Guard District Federal Building, 431 Crawford St. Portsmouth, VA 23704-5004	
Commander	(757) 398-6287
Chief of Staff	(757) 398-6288
Executive Assistant	(757) 398-6379
Chief Marine Safety (AM)	(757) 398-6637
Chief Compliance (AMC)	(757) 398-6619
Chief (AMR)	(757) 398-6638
Chief (AMI)	(757) 398-6665
Chief (AMRD)	(757) 398-6689
Chief (AMRT)	(757) 398-6620
Commercial Fishing	(757) 398-6304
Fax	(757) 398-6503

MSO Hampton Roads Norfolk Fed. Bldg., 200 Granby St. Norfolk, VA 23510-1888	
Commanding Officer	(757) 441-3302
Executive Officer	(757) 441-3300
Vessel Compliance	(757) 441-3287
Investigations	(757) 441-3291
Port Operations	(757) 441-3295
Planning	(757) 441-3281
Administration	(757) 441-3270
Fax	(757) 441-3262

Coast Guard Activities Baltimore 2401 Hawkins Point Rd. Baltimore, MD 21226-1791	
Commander	(410) 576-2564
Deputy Commander	(410) 576-2547
Workforce Support	(410) 576-2546
Administrative Staff	(410) 576-2561
Investigations	(410) 576-2566
Operations/Response	(410) 576-2585
Engineering/Log Support	(410) 576-2539
Prevention	(410) 576-2526
Regional Examination Center (REC)	(410) 962-5132
Fax	(410) 962-0930

MSO Wilmington 1502 23rd St. Wilmington, NC 28405 Main Number: (910) 772-2200, Fax Number: (910) 772-2205	
Commanding Officer	(910) 772-2203
Executive Officer	(910) 772-2203
Inspections/Investigations	(910) 772-2230
Port Operations	(910) 772-2215
Waterways Management	(910) 772-2226
Marine Safety Team (Morehead City)	(252) 247-4501
Fax	(910) 772-2205

MSO/Group Philadelphia 1 Washington Ave. Philadelphia, PA 19147-4395	
Commanding Officer	(215) 271-4803
Executive Officer	(215) 271-4803
Inspections (Chief)	(215) 271-4850
Investigations	(215) 271-4860
Administration	(215) 271-4870
Group Operations	(215) 271-4825
Port Operations	(215) 271-4880
Operations Center	(215) 271-4825
Fax	(215) 271-4833

DDO Lewes Delaware (Roosevelt Inlet) 802 Pilottown Rd. Lewes, DE 19958	
Supervisor	(302) 644-1909
Fax	(302) 644-1933

Seventh District

Commander, Seventh Coast Guard District 909 S. E. First Ave. Miami, FL 33131-3050	
Commander (D)	(305) 415-6670
Chief of Staff	(305) 415-6670
Chief, Marine Safety Division (M)	(305) 415-6862
Secretary (M)	(305) 415-6860/1
Deputy Chief	(305) 415-6864
Chief, Marine Compliance	(305) 415-6863
Chief, Marine Response	(305) 415-6871
Fishing Vessel Coordinator	(305) 415-6867
RRT Coordinator	(305) 415-6874
Fax	(305) 415-6875

MSO Miami P.O. BOX 01-6940 Miami, FL 33101-6940 Main Number: (305) 535-8705, Fax Number: (305) 535-8742	
Commanding Officer	(305) 535-8705
Executive Officer	(305) 535-8705
Standards Enforcement	(305) 535-8732
Port Management & Response	(305) 535-4431
Regional Exam Center	(305) 536-6548
Casualty Response	(305) 535-8724
Administration	(305) 535-8711

MSO Jacksonville Suite 400, 7820 Arlington Expy. Jacksonville, FL 32211-7445	
Commanding Officer	(904) 232-2640 X 102
Executive Officer	(904) 232-2640 X 103
Investigations	(904) 232-2640 X 128
Inspection Department	(904) 232-2640 X 109
Port Operations	(904) 232-2640 X 108
Fax	(904) 232-1014

MSD Canaveral Marine Safety Detachment 9235 Grouper Rd. Port Canaveral, FL 32920	
Supervisor	(407) 868-4251
24 Hour Number	(407) 868-4251
Fax	(407) 868-4252

MSO Tampa 155 Columbia Dr. Tampa, FL 33606-3598	
Commanding Officer	(813) 228-2191
Executive Officer	(813) 228-2191
Operations	(813) 228-2195
Prevention	(813) 228-2195
Planning	(813) 228-2195
Administration	(813) 228-2191
CAC	(813) 228-2195 Ext. 101
Fax	(813) 228-2399

MSO Savannah Juliette G. Low Federal Bldg. 100 W. Oglethorpe Ave., Ste. 1017 Savannah, GA 31401	
Commanding Officer	(912) 652-4353
Executive Officer	(912) 652-4353
Inspections	(912) 652-4353 X 230
Investigations	(912) 652-4353 X 232
Administrative	(912) 652-4353 X 213
Response	(912) 652-4353 X 205
Facilities	(912) 652-4353 X 227
Fishing Vessel Safety	(912) 652-4353 X 215
24-Hour Number	(912) 652-4353
Fax	(912) 652-4180

MSO Charleston 196 Tradd St. Charleston, SC 29401-1899	
Commanding Officer	(843) 724-7683
Executive Officer	(843) 724-7683
Administrative	(843) 720-7734
Regional Examination Center	(843) 724-7687
Port Operations	(843) 724-7684
Investigations / Inspections	(843) 724-7690
Fishing Vessel Safety	(843) 724-7630
Fax	(843) 720-7745

MSO San Juan P.O. Box 71526 San Juan, PR 00936-8626 Main Number: (787) 706-2400 Fax Number: (787) 706-2408	
Commanding Officer	(787) 706-2401
Executive Officer	(787) 706-2402
Inspections	(787) 706-2420
Port Operations	(787) 706-2440
REC Miami Monitoring Unit	(787) 706-2406
Administrative Support	(787) 706-2400
Fax, Port Operations	(787) 706-2448
Fax, Inspections	(787) 706-2428

MSD St. Thomas <i>P.O. Box 818</i> <i>St. Thomas, USVI 00804-0818</i>	
Supervisor	(340) 776-3497
Fax	(340) 774-1687

RIO St. Croix <i>P.O. Box 3026, Downtown Station,</i> <i>Christiansted, St. Croix, USVI 00822-3026</i>	
Resident	(340) 772-5557
Fax	(340) 778-8185

Eighth District

Commander, Eighth Coast Guard District <i>Hale Boggs Federal Bldg., Rm. 1328, 501 Magazine St.</i> <i>New Orleans, LA 70130-3396</i>	
District Commander	(504) 589-6298
Chief of Staff	(504) 589-6223
Chief Marine Safety (M)	(504) 589-6271
Deputy Chief (MD)	(504) 589-3647
Chief Compliance (MOC)	(504) 589-6193
Chief Response (MOR)	(504) 589-3656
Fishing Vessel Safety Coordinator	(504) 589-4554
Secretary	(504) 589-6271
Fax	(504) 589-2077

MSO New Orleans 1615 Poydras St. <i>New Orleans, LA 70112-1254</i>	
Commanding Officer	(504) 589-6196
Executive Officer	(504) 589-6196
Inspections	(504) 589-6273
Regional Exam Center	(504) 589-6183 X 231
Investigations	(504) 589-6251
Port Operations	(504) 589-4256
Fax	(504) 589-7470

MSU Baton Rouge 6041 Crestmount Dr. <i>Baton Rouge, LA 70809</i>	
Commanding Officer	(225) 298-5400
Executive Officer	(225) 298-5400
Fax	(225) 298-5408

MSO Morgan City 800 David Dr. <i>Morgan City, LA 70380-1304</i>	
Commanding Officer	(504) 380-5305
Executive Officer	(504) 380-5306
Chief of Investigations	(504) 380-5340
Chief of Inspections	(504) 380-5350
Chief of Port Operations	(504) 380-5318
Administration	(504) 380-5312
Chief of Vessel Traffic Service (VTS)	(504) 380-5370
Fax	(504) 385-1687

MSD Houma 425 Lafayette St., Room 204 Houma, LA 70360-4805	
Supervisor	(504) 868-1552
Assistant Supervisor	(504) 868-6733
Chief of Inspections	(504) 868-6733
Chief of Port Operations	(504) 857-8507
MSFO	(504) 632-8676
Fax	(504) 857-8508

MSO Corpus Christi 555 North Carancahua, Ste. 500 Corpus Christi, TX 78478	
Commanding Officer	(361) 888-3177
Executive Officer	(361) 888-3180
Inspections	(361) 888-3181
Investigations	(361) 888-3164
Port Operations	(361) 888-3184
COMMS CTR (24 Hour)	(361) 888-3162
Fax	(361) 888-3115

MSSO Brownsville Suite 301, 3505 Boca Chica Blvd. Brownsville, TX 78521	
Supervisor	(956) 546-2786
Fax	(956) 548-2583

MSSO Port Lavaca 225 N. Virginia, Ste. 2B Port Lavaca, TX 77979	
Supervisor	(361) 552-7422
Fax	(361) 552-7567

MSO Houston-Galveston P.O. Box 446 Galena Park, TX 77547-0446	
Commanding Officer	(713) 671-5199
Executive Officer	(713) 671-5199
Chief of Response	(713) 671-5104
Chief of Compliance	(713) 671-5186
Chief of Investigations	(713) 671-5195
24 Hour Communication Center	(713) 671-5100
COMMS Center Fax	(713) 671-5177

Regional Exam Center 8876 Gulf Freeway, Ste. 200 Houston, TX 77017	
Chief	(713) 948-3350/3351
Fax	(713) 948-3360

VTs Houston-Galveston 9640 Clinton Dr., Fl. 2 Houston, TX 77029-4328 Main Number: (713) 674-8488, Fax Number: (713) 671-5100	
Commanding Officer	(713) 671-5153
Executive Officer	(713) 671-5160
Unit Yeoman	(713) 671-5166
Watch Supervisor/ Comm Desk	(713) 671-5103
Admin Fax	(713) 671- 5156
Operations Fax	(713) 671- 5159

MSU Galveston Post Office Bldg., Room 309 601 Rosenberg Galveston, TX 77550-1705	
Commanding Officer	(409) 766-3655
Executive Officer	(409) 766-3637
Chief, Marine Vessel Safety	(409) 766-3638
Port Operations	(409) 766-3642
24-Hour Number	(409) 766-3686
Fax	(409) 766-3689

MSO Mobile 150 N. Royal St. Mobile, AL 36602	
Commanding Officer	(334) 441-5201
Executive Officer	(334) 441-5302
Port Operations	(334) 441-5196
Investigations	(334) 441-5207
Inspections	(334) 441-5276
24-hour Line	(334) 441-5121
MSO Fax	(334) 441-6169

DDO Panama City 1700 Thomas Dr. P.O. Box 32043 Panama City, FL 32407-8043	
Supervisor	(850) 233-0366
Fax	(850) 230-1937

MSO Port Arthur 2875 Jimmy Johnson Blvd. Port Arthur, TX 77640-2099	
Commanding Officer	(409) 723-6509 X 222
Executive Officer	(409) 723-6509 X 223
Operations Support	(409) 723-6509 X 248
Response	(409) 723-6509 X 228
Prevention	(409) 723-6509 X 257
Fax	(409) 723-6534

MSD Lake Charles Port of Lake Charles, 150 Marine St. Lake Charles, LA 70601-5612	
Supervisor	(337) 433-3765 X 222
Port Operations	(337) 433-3765 X 225
Fax	(337) 437- 7263

WESTERN RIVERS MARINE SAFETY UNITS

MSO St. Louis 1222 Spruce St., Ste. 8-104E St. Louis, MO 63103-2835 Main Number: (314) 539-3091, Fax Number: (314) 539-2659	
Commanding Officer	(314) 539-3091 X 201
Executive Officer	(314) 539-3091 X 203
Inspections	(314) 539-3091 X 266
Investigations	(314) 539-3091 X 215
Port Operations	(314) 539-3091 X 218
Planning	(314) 539-3091 X 225
Regional Exam Center	(314) 539-3091 X 268

MSD St. Paul PO BOX 65428 180 E. Kellogg Blvd., Room 1510 St. Paul, MN 55165-0428	
Supervisor	(651) 290-3991
Fax	(651) 290-3992

MSD Peoria Foot of Washington St. E. Peoria, IL 61611	
Supervisor	(309) 694-7779
Fax	(309) 694-4567

MSD Quad Cities Rock Island Arsenal Building 218 Rock Island, IL 61299-7620	
Supervisor	(309) 782-0627
Fax	(309) 782-0604

MSO Huntington 1415 6th Ave. Huntington, WV 25701-2420 Main Number: (304) 529-5524, Fax Number: (304) 529-5051	
Commanding Officer	(304) 529-5524
Executive Officer	(304) 529-5524
Inspections/Investigations	(304) 529-5524
Port Operations	(304) 529-5432

MSO Louisville 600 Martin Luther King, Jr. Pl., Room 360 Louisville, KY 40202-2230	
Commanding Officer	(502) 582-5194 X 42
Executive Officer	(502) 582-5194 X 41
Inspections	(502) 582-5194 X 37
Port Operations	(502) 582-5194 X 39
Investigations	(502) 582-5194 X 25
Fax	(502) 582-6825

MSD Cincinnati 3653 River Rd. Cincinnati, OH 45204-1094	
Supervisor	(513) 921-9033
Fax	(513) 921-1376

MSO Memphis 200 Jefferson Ave., Ste. 1301 Memphis, TN 38103-2300	
Commanding Officer	(901) 544-3941 X 236
Executive Officer	(901) 544-3941 X 240
Chief Merchant Vessel Safety/Inspections	(901) 544-3941 X 225
Chief, Port Operations	(901) 544-3941 X 226
Regional Exam Center	(901) 544-3941 X 246
Fax	(901) 544-3886

MSD Greenville 1801 Harbor Front Rd. Greenville, MS 38701-9586	
Supervisor	(662) 332-0964
Fax	(662) 332-0965

MSD Helena Federal Building, 617 Walnut, Room 204 Helena, AR 72342-3231	
Supervisor	(870) 338-7524
Fax	(870) 338-8790

MSO Paducah 225 Tully St. Paducah, KY 42003-1582	
Commanding Officer	(270) 442-1621 X301
Executive Officer	(270) 442-1621 X302
Investigations/ Inspections	(270) 442-1621 X311
Planning Department	(270) 442-1621 X310
Port Operations	(270) 442-1621 X308
Fax	(270) 442-1633

MSD Nashville Suite 148, 220 Great Circle Rd. Nashville, TN 37228	
Supervisor	(615) 736-5421
Fax	(615) 736-7315

MSO Pittsburgh Kossman Bldg., Ste. 1150 100 Forbes Ave. Pittsburgh, PA 15222-1371	
Commanding Officer	(412) 644-5808 X 110
Executive Officer	(412) 644-5808 X 111
Port Operations	(412) 644-5808 X 115
Inspections	(412) 644-5808 X 107
Fax	(412) 644-3479

Ninth District

Commander, Ninth Coast Guard District 1240 E. 9th St. Cleveland, OH 44199-2060	
Commander	(216) 902-6045
Chief of Staff	(216) 902-6001
Chief (M)	(216) 902-6045
Chief (MAP)	(216) 902-6049
Chief (MCO)	(216) 902-6052
Chief (MRO)	(216) 902-6054
Fax	(216) 902-6059

MSO Buffalo 1 Fuhrmann Blvd. Buffalo, NY 14203	
Commanding Officer	(716) 843-9570
Executive Officer	(716) 843-9573
Inspection /Investigation	(716) 843-9575
Port Operations	(716) 843-9574
Fax	(716) 843-9571

MSD Massena Supervisor USCG MSD P.O. Box 728 180 Andrews St. Massena, NY 13662-0728	
Supervisor	(315) 764-3284
Fax	(315) 764-3283

MSO Chicago 215 W. 83rd St., Ste. D Burr Ridge, IL 60521	
Commanding Officer	(630) 986-2155
Executive Officer	(630) 986-2155
Inspection /Investigations	(630) 986-2155
Port Operations	(630) 986-2155
Fax	(630) 986-2120

MSD Grand Haven 650 South Harbor Dr. Grand Haven, MI 49417-1742	
Supervisor	(616) 850-2580
Fax	(616) 850-2584

MSO Cleveland 1055 E. 9th St. Cleveland, OH 44114	
Commanding Officer	(216) 937-0120
Executive Officer	(216) 937-0123
Inspection	(216) 937-0125
Investigations	(216) 937-0127
Port Operations	(216) 937-126
Fax	(216) 937-3290

MSO Detroit 110 Mt. Elliott Ave. Detroit, MI 48207	
Commanding Officer	(313) 568-9580
Executive Officer	(313) 568-9580
Inspections	(313) 568-9580
Port Operations	(313) 568-9580
Fax	(313) 568-9581

MSO Duluth 600 S. Lake Ave., Canal Park Duluth, MN 55802-2352	
Commanding Officer	(218) 720-5286
Executive Officer	(218) 720-5286
Port Operations	(218) 720-5286
Inspection/Investigation	(218) 720-5286
Environmental Planning & Response	(218) 720-5286
Fax	(218) 720-5258

MSO Milwaukee 2420 S. Lincoln Memorial Dr. Milwaukee, WI 53207-1997	
Commanding Officer	(414) 747-7155
Executive Officer	(414) 747-7155
Port Operations	(414) 747-7155
Inspection	(414) 747-7155
Fax	(414) 747-7890

MSD Sturgeon Bay 57 N. 12th Ave., P.O. Box 446 Sturgeon Bay, WI 54235-0446	
Supervisor	(920) 743-9448
Assistant Supervisor	(920) 743-9448
Inspector	(920) 743-9448
Pollution/Response	(920) 743-9448
Pollution/Response	(920) 743-9448
Fax	(920) 743-9724

MSO Toledo The Ohio Bldg. 420 Madison Ave., Ste. 700 Toledo, OH 43604-1209	
Commanding Officer	(419) 418-6001
Executive Officer	(419) 418-6001
Port Operations	(419) 418-6040
Inspection/ Investigation	(419) 418-6030
Regional Exam Center	(419) 418-6011
Drug and Alcohol Program	(419) 418-6031
Fax	(419) 259-6374

MSO/Group Sault Ste. Marie 337 Water St. Sault Ste. Marie, MI 49783	
Commanding Officer	(906) 635-3210
Executive Officer	(906) 635-3211
Marine Safety Department	(906) 635-3220
Inspection/Investigation	(906) 635-3341
Port Operations	(906) 635-3223
Fax	(906) 635-3216/18

Eleventh District

Commander, Pacific Area & Eleventh Coast Guard District <i>Coast Guard Island, Bldg. 51-6</i> <i>Alameda, CA 94501-5100</i>	
District Commander	(510) 437-3522
Chief of Staff	(510) 437-3522
Chief of Marine Safety	(510) 437-2942
Chief of Compliance (PMC)	(510) 437-2945
Chief of Response (PMR)	(510) 437-2956
Fax	(510) 437-2961

MSO/Group Los Angeles/ Long Beach <i>1001 S. Seaside Ave., Bldg. 20</i> <i>San Pedro, CA 90731</i>	
Commanding Officer	(310) 732-2031
Executive Officer	(310) 732-2032
Inspections	(310) 732-2060
Regional Exam Center	(310) 732-2096
Investigations	(310) 732-2012
Port Operations	(310) 732-7383
Fax	(310) 732-7389

MSD Santa Barbara <i>111 Harbor Way</i> <i>Santa Barbara, CA 93103-2315</i>	
Supervisor	(805) 962-7430
Fax	(805) 962-7968

MSO San Diego <i>2716 N. Harbor Dr.</i> <i>San Diego, CA 92101-1064</i>	
Commanding Officer	(619) 683-6501
Executive Officer	(619) 683-6502
Investigations	(619) 683-6499
Port Operations	(619) 683-6477
Inspection	(619) 683-6480
Fax	(619) 683-6504

MSO San Francisco Bay <i>Bldg. 14, Coast Guard Island</i> <i>Alameda, CA 94501-5100</i>	
Commanding Officer	(510) 437-3135
Executive Officer	(510) 437-3133
Investigations	(510) 437-3149
Inspection	(510) 437-3183
Port Operations	(510) 437-3082
Regional Exam Center	(510) 437-3093
Fax	(510) 437-3072

MSSO Concord <i>Building E-98</i> <i>10 Delta St.</i> <i>Concord, CA 94590</i>	
Supervisor	(925) 246-5890
Fax	(925) 246-2438

Thirteenth District

Commander, Thirteenth Coast Guard District <i>Jackson Federal Bldg., 915 Second Ave.</i> <i>Seattle, WA 98174-1067</i>	
Commander	(206) 220-7090
Chief of Staff	(206) 220-7091
Chief of Marine Safety (M)	(206) 220-7210
Chief of Response	(206) 220-7221
Chief of Performance Analysis	(206) 220-7216
Chief of Compliance	(206) 220-7224
Fax	(206) 220-7225

MSO Puget Sound <i>1519 Alaskan Way South, Bldg. 1</i> <i>Seattle, WA 98134-1192</i>	
Commanding Officer	(206) 217-6200
Executive Officer	(206) 217-6200
Regional Exam Center	(206) 217-6115
Investigations	(206) 217-6250
Operations	(206) 217-6232
Prevention	(206) 217-6180
Support and Training	(206) 217-6207
Watch Desk 24-Hour Number	(206) 217-6232
Fax	(206) 217-6345

VTS Puget Sound <i>Bldg. 1, Pier 36, 1519 Alaskan Way S.</i> <i>Seattle, WA 98134-1192</i>	
Commanding Officer	(206) 217-6040
Executive Officer	(206) 217-6040
Operations	(206) 217-6040
Administration	(206) 217-6040
Fax	(206) 217-6900
24 Hour Number	(206) 217-6050

MSO/Group Portland <i>6767 N. Basin Ave.</i> <i>Portland, OR 97217-3992</i>	
Commanding Officer	(503) 240-9314
Executive Officer	(503) 240-9306
Inspections	(503) 240-9372
Investigations	(503) 240-9309
Regional Exam Center	(503) 240-9347
Operation	(503) 240-9317
Emergency	(503) 240-9300
24-Hour Number	(503) 240-9301
Fax	(503) 240-9302

Fourteenth District

Commander, Fourteenth Coast Guard District <i>Prince PJKK Federal Bldg., Room 9212</i> <i>300 Ala Moana Blvd.</i> <i>Honolulu, HI 96850-4982</i> <i>Main Number: (808) 541-2114, Fax Number: (808) 541-2116</i>	
Commander (D)	(808) 541-2051
Chief of Staff (DCS)	(808) 541-2052
Chief Marine Safety (M)	(808) 541-2090
Response	(808) 541-2118
Regional Response Team	(808) 541-2162
District Response Team	(808) 541-3078
Compliance	(808) 541-2119
Fishing Vessel Coordinator	(808) 541-2117
Fax	(808) 541-2116

MSO Honolulu <i>433 Ala Moana Blvd.</i> <i>Honolulu, HI 96813-4909</i>	
Commanding Officer	(808) 522-8250
Administrative Office	(808) 522-8252
Executive Officer	(808) 522-8251
Inspection	(808) 522-8253
Regional Exam Center	(808) 522-8258
Investigations	(808) 522-8266
Port Operations	(808) 522-8260
Planning	(808) 522-8256
Fax Insp. (2nd Fl.)	(808) 522-8271

MSD American Samoa <i>P.O. Box 249</i> <i>American Samoa 96799-0249</i>	
Supervisor	(684) 633-2299
Fax	(684) 633-1933

MARSEC/MSO Guam <i>PSC 455, Box 176</i> <i>FPO AP, 96540-1056</i>	
Commanding Officer	(671) 339-2001X101
Executive Officer	(671) 339-2001X102
Port Operations	(671) 339-2001X164
Inspection Department	(671) 339-2001X161
Fax	(671) 339-2005

MSD Saipan <i>P.O. Box 5644</i> <i>Capitol Hill</i> <i>Saipan, MP 96950-5000</i>	
Supervisor	(670) 236-2969
Fax	(670) 236-2968

FEACT/MIO Asia

FEACT/MIO Asia Marine Inspection Office Unit 5073 APO AP, 96328-5073	
Commanding Officer	(011)-81-311-755-8405
Executive Officer	(011)-81-311-755-8405
Alternate Number through Yokota Air Base Operator	(011)-81-425-52-2511 X.58405
Fax	(011)-81-425-51-5571

MIDET Singapore PSA Sembawang Terminal Bldg. 7-4, Stores Rd. Singapore 759819	
Supervisor	011-65-750-2340
Fax	011-65-750-2357

Seventeenth District

Commander, Seventeenth Coast Guard District P.O. Box 25517 Juneau, AK 99802-5517 Main Number: (907) 463-2080, Fax Number: (907) 463-2083	
Commander (D)	(907) 463-2025
Chief of Staff (DCS)	(907) 463-2025
Chief of Maritime Plans/Policy	(907) 463-2803
Chief of Operations (O)	(907) 463-2243
AK Fisheries Issues	(907) 463-2226
Response Team	(907) 463-2245
Regional Response Team	(907) 463-2251
District Response Team	(907) 463-2808
Prevention & Compliance (MOC)	(907) 463-2283
Fishing Vessel Safety (MOC)	(907) 463-2810
Command Center (24 Hour)	(907) 463-2000
Fax	(907) 463-2216

MSO Juneau 2760 Sherwood Lane, Ste. 2A Juneau, AK 99801-8545 Main Number: (907) 463-2457, Fax Number: (907) 463-2445	
Commanding Officer	(907) 463-2450
Executive Officer	(907) 463-2450
Administration	(907) 463-2457
Commercial Vessel Safety	(907) 463-2444
Regional Exam Center	(907) 463-2455
Investigations	(907) 463-2471
Fishing Vessel Safety	(907) 463-2448
Port Operations	(907) 463-2470
Fax	(907) 463-2445

MSD Ketchikan 2030 Sealevel Dr., Ste. 203 Ketchikan, AK 99901 Main Number: (907) 225-4496, Fax Number: (907) 225-4499	
Supervisor	(907) 225-4496
Fishing Vessel Safety	(907) 225-4496
Fax	(907) 225-4499

MSD Sitka 329 Harbor Dr., Room 202 Sitka, AK 99835-7573 Main Number: (907) 966-5454, Fax Number: (907) 463-2083	
Supervisor	(907) 966-5454
Fax	(907) 966-5457

MSO Anchorage 510 L Street, Ste. 100 Anchorage, AK 99501-1946	
Commanding Officer	(907) 271-6700
Executive Officer	(907) 271-6700
Inspection	(907) 271-6712
Regional Exam Center	(907) 271-6735
Operation	(907) 271-6724
Investigation	(907) 271-6726
Fax	(907) 271-6751

MSD Kodiak 326 Center St., Ste. 107 Kodiak, AK 99615 Main Number: (907) 486-5918, Fax Number: (907) 487-5585	
Supervisor	(907) 486-5918

MSD Unalaska Marine Safety Detachment U.S. Coast Guard Office PO Box 920446 Dutch Harbor, AK 99692 Main Number: (907) 581-3466, Fax Number: (907) 581-3468	
Supervisor	(907) 581-3466

MSD Kenai 150 North Willow, Ste. 41 Kenai, AK 99611 Main Number: (907) 283-3292, Fax Number: (907) 283-5085	
Supervisor	(907) 283-3292

MSO Prince William Sound (Valdez) 105 South Clifton Valdez, AK 99686-0486 Main Number: (907) 835-7205, Fax Number: (907) 835-7207	
Commanding Officer	(907) 835-7210
Executive Officer	(907) 835-7211
Vessel Traffic Service	(907) 835-7209/5
Marine Safety Department	(907) 835-7229
Prevention Branch	(907) 835-7223
Response Branch	(907) 835-7228

Other Units

National Maritime Center

National Maritime Center (NMC) 4200 Wilson Blvd., Ste. 630 Arlington, Virginia 22203-1804 Main Number: (202) 493-1000, Fax Number: (202) 493-1062	
Commanding Officer/ Director	(202) 493-1001
Deputy Director	(202) 493-1006
Administrative Assistant	(202) 493-1002
Marine Personnel Division	(202) 493-1021
Marine Personnel Documentation Branch	(202) 493-1023
Exam Administration Branch	(202) 493-1024
Licensing and Evaluation Branch	(202) 493-1047
Budget, Administration and Planning Division	(202) 493-1014
Publications and Information Branch	(202) 493-1052
Marine Safety Newsletter	(202) 493-1058
Proceedings Magazine	(202) 493-1058
Marine Safety Manual and NVIC's	(202) 493-1051
World Wide Web	(202) 493-1059
Fax (Marine Safety Newsletter / Proceedings)	(202) 493-1065

Marine Safety Center (MSC) 400 7th St., SW Room 6302, NASSIF Building Washington, DC 20590-0001	
Commanding Officer	(202) 366-6480
Executive Officer	(202) 366-6480
Chief, Hull Division	(202) 366-6481
Chief, Major Vessel Branch	(202) 366-6481
Chief, MODU Branch	(202) 366-6481
Chief, Engineering Division	(202) 366-6440
Chief, Machinery Branch	(202) 366-6440
Chief, Electrical Branch	(202) 366-6440
Chief, Tank Vessel & Offshore Division	(202) 366-6441
Chief, Structure & Stability Branch (T1)	(202) 366-6441
Chief, Cargo Authority Branch (T2)	(202) 366-6441
Chief, Tonnage Survey Branch (T3)	(202) 366-6441
Salvage Team Leader	(202) 366-6441
Fax	(202) 366-3877

Marine Safety Laboratory (MSL) 1082 Shennecossett Rd. Groton, CT 06340-6094 Main Number: (860) 441-2645, Fax Number: (860) 441-2641	
Manager	(860) 441-2677

National Vessel Documentation Center (NVDC) 792 Stonewall Jackson Dr. Falling Waters, WV 25419-9502	
Director	(304) 271-2506

Deputy Director	(304) 271-2506
Chief, Recreation Branch	(304) 271-2450
Chief, Commercial Branch	(304) 271-2500
Chief, Data Management and Administration	(304) 271-2555
Abstract/Copies/Certificates of Ownership/Status Checks/Renewals	(304) 271-2400/ 1-800-799-8362
FOIA	(304) 271-2420
Fax	(304) 271-2405
Fax	(304) 271-2415

Container Inspection Training and Assistance Team

Container Inspection Training and Assistance Team (CITAT) <i>P.O. Box 25082</i> <i>Oklahoma City, OK 73125-5050</i> <i>Main Number: (405) 954-9007, Fax: (405) 954-8985</i>	
Supervisor	(405) 954-8983
Assistant Supervisor	(405) 954-9012
Assistant Supervisor	(405) 954-8984
Administrative Officer	(405) 954-9008
Office Supervisor	(405) 954-9007

National Strike Force and Teams

National Strike Force Coordination Center <i>1461 North Road St.</i> <i>Elizabeth City, NC 27909</i>	
Commanding Officer	(252) 331-6000 X3010
Executive Officer	(252) 331-6000 X3009
Operations Division Chief	(252) 331-6000 X 3005
Command Enlisted Advisor	(252) 331-6000 X 3053
Fax	(252) 331-6012

Gulf Strike Team <i>Aviation Training Center</i> <i>Mobile, AL 36608-9690</i>	
Commanding Officer	(334) 441-6601
Executive Officer	(334) 441-6614
Operations	(334) 441-6601
24 Hour Number	(334) 441-6601
Fax Number	(334) 441-6610

Pacific Strike Team <i>Hangar 2, Hamilton Field</i> <i>Novato, CA 94949-5082</i>	
Commanding Officer	(415) 883-3311
Executive Officer	(415) 883-3311
Operations	(415) 883-3311
Fax	(415) 883-7814

Atlantic Strike Team 5614 Doughboy Loop Fort Dix, NJ 08640	
Commanding Officer	(609) 724-0008
Executive Officer	(609) 724-0008
Operations Officer	(609) 724-0008
Command Enlisted Advisor	(609) 724-0008
Fax	(609) 724-0232

National Pollution Funds Center

National Pollution Funds Center, U.S. Coast Guard 4200 Wilson Blvd., Ste. 1000 Arlington, VA 22203-1804	
Director	(202) 493-6702
Deputy Director	(202) 493-6703
Chief of Case Management	(202) 493-6721
Chief of Customer Service	(202) 493-6713
Chief of Financial Management	(202) 493-6800
Chief of Information Technology	(202) 493-6761
Chief of Legal Division	(202) 493-6750
Chief of Vessel Certification	(202) 493-6780
Chief of Claims	(202) 493-6831
Chief of Natural Resource Damage Claims	(202) 493-6860
Fax	(202) 493-6390

National Response Center

National Response Center 2100 Second St., SW Washington, DC 20593-0001	
Director	(202) 267-6352
Fax	(202) 267-2181

MSA Panama

MSA PANAMA Panama Canal Commission Marine Safety Unit (MRRM) Unit 2300, APO AA, 34011-2300	
Marine Safety Advisor Panama	011-507-272-4061
Fax	011-507-272-3965

Hearing Offices

Commanding Officer, Coast Guard Hearing Office <i>4200 Wilson Blvd., Ste. 700</i> <i>Arlington, VA 22203-1804</i>	
CAPTAIN	(202) 493-6870
Fax	(202) 493-6924

Coast Guard Hearing Office Detachment <i>Commanding Officer</i> <i>Coast Guard Island Bldg. 21, Room 131</i> <i>Alameda, CA 94501-5100</i>	
CAPTAIN	(510) 437-3907
	(510) 437-3905
	(510) 437-5795
Fax	(510) 437-3089

Administrative Law Judges

Office of Administrative Law Judges (Program Manager)
Commandant (G-CJ)
2100 2nd St. SW, Room 6302
Washington, DC 20593-0001
Main Number: (202) 267-2940, Fax Number: (202) 267-4753

Chief

Administrative Law Judge, Norfolk
Federal Building, Room 602
200 Granby St.
Norfolk, VA 23510-1888
Main Number: (757) 441-3312, Fax Number: (757) 441-3797

Judge

Administrative Law Judge Courtroom/Chambers, New York
Ste. 602, 6 World Trade Center
New York, NY 10048-0206

There is no sitting Administrative Law Judge in this office.

Administrative Law Judge, Long Beach
Federal Building
501 West Ocean Blvd., Ste. 7440
Long Beach, CA 90802
Main Number: (562) 980-4344, Fax Number: (562) 980-4349

There is no sitting Administrative Law Judge in this office.

Administrative Law Judge, Houston
8876 Gulf Fwy., Room 370
Houston, TX 77017-6542
Main Number: (713) 948-3370, Fax Number: (713) 948-3372

Judge

Administrative Law Judge, New Orleans
Hale Boggs Federal Bldg.
501 Magazine St., Ste. 1114
New Orleans, LA 70130-3396
Main Number: (504) 589-6254, Fax Number: (504) 589-2127

Judge

Administrative Law Judge, Alameda
Coast Guard Island Bldg. 54C
Alameda, CA 94501-5100
Main Number: (510) 437-3361, Fax Number: (510) 437-2717

Judge

Administrative Law Judge, Seattle Room 3448, Federal Bldg. 915 Second Ave. Seattle, WA 98174-1067 Main Number: (206) 220-7105, Fax Number: (206) 220-7108	
Judge	(206) 220-7106

ALJ Docketing Center, Baltimore U.S. Customs House 40 South Gay St., Room 412 Baltimore, MD 21202-4022 Main Number: (410) 962-7434, Fax Number: (410) 962-1742/1746	
Hearing Docket Clerk,	(410) 962-5100
Attorney-Advisor	

Marine Safety School

RTC Yorktown Training Center Yorktown Yorktown, VA 23690-9761	
Commanding Officer	(757) 856-2211
Fax	(757) 856-2329

Marine Safety School	
Chief, Marine Safety Branch	(757) 856-2047
Assistant Chief, Marine Safety Branch	(757) 856-2048
Chief, Port Operations School	(757) 856-2346
Chief, Contingency Preparedness School	(757) 856-2108
Chief, Inspections & Investigation School	(757) 856-2549
Chief, Marine Science Technician School	(757) 856-2045
Fax	(757) 856-2394

Marine Safety Council

Marine Safety Council U.S. Coast Guard Headquarters 2100 Second St., SW, Room 3406 Washington, DC 20593-0001 Main Number: (202) 267-1534, Fax Number: (202) 267-6234	
Chairman (G-L)	(202) 267-1617
Member (G-M)	(202) 267-2200
Member (G-O)	(202) 267-0977
Member (G-S)	(202) 267-1844
Executive Secretary (G-LRA)	(202) 267-0132
Legal Counsel (G-LRA)	(202) 267-1534

APPENDIX C

Contact Numbers for State Environmental Agencies

Last Updated on 7/29/99

BALTIMORE, MD		
Delaware	Department of Natural Resources	302-739-4506
	Department of Natural Resources	800-662-8802 (24 HR)
Maryland	Department of Environment	410-631-3084
	Department of Environment	800-633-6101 (24 HR)
Virginia	Department of Environmental Quality	540-562-6700
	Department of Environmental Quality (Direct)	804-698-4000
BOSTON, MA		
Massachusetts	Department of Environmental Protection	617-292-5500
BUFFALO, NY		
New York	Department of Environmental Conservation	518-457-3446
	Department of Environmental Conservation (in State)	800-457-7362
Pennsylvania	Department of Environmental Protection (out of State)	717-787-4343
	Department of Environmental Protection (in State)	800-541-2050
	Emergency Management Agency	717-651-2001 (24 HR)
CHARLESTON, SC		
South Carolina	Department of Environmental Control	803-253-6488
CHICAGO, IL		
Illinois	Emergency Management Agency	217-782-7860
	Emergency Response	217-782-3637
Indiana	Department of Environmental Management	317-233-7745 (24 HR)
	Department of Environmental Management (in State)	800-451-6027
Michigan	Department of Environmental Quality	517-335-6873
	Emergency Hotline (in State)	800-292-4706 (24 HR)
CLEVELAND, OH		
Ohio	Environmental Protection Agency	800-282-9378 (24 HR)
CORPUS CHRISTI, TX		
Texas	Texas General Land Office	800-832-8224 (24 HR) 512-424-2277 (24 HR)
DETROIT, MI		
Michigan	Department of Environmental Quality	517-335-6873
	Emergency Hotline (in State)	800-292-4706 (24 HR)
Ohio	Environmental Protection Agency	800-282-9378 (24 HR)

DULUTH, MN		
Minnesota	Pollution Control	612-296-6300
	Public Safety (in State)	800-422-0798 (24 HR)
Michigan	Department of Environmental Quality	517-335-6873
	Emergency Hotline (in State)	800-292-4706 (24 HR)
Wisconsin	Department of Natural Resources	608-267-7454 (24 HR)
GUAM		
Guam	Guam Environmental Protection Agency	671-475-1658/9
HAMPTON ROADS, VA		
Virginia	Department of Environmental Quality	540-562-6700
	Department of Environmental Quality (Direct)	804-698-4000
Maryland	Department of Environment	410-631-3084
	Department of Environment	800-633-6101 (24 HR)
North Carolina	Department of Environment	919-733-5291
	Department of Environment	919-733-3300 (24 HR)
HONOLULU, HI		
Hawaii	Department of Health	808-586-4249
HOUSTON/GALVESTON, TX		
Texas	Texas General Land Office	800-832-8224 (24 HR) 512-424-2277 (24 HR)
HUNTINGTON, WV		
Kentucky	Environmental Protection Agency	800-928-2380 (24 HR)
Ohio	Environmental Protection Agency	800-282-9378 (24 HR)
West Virginia	Department of Environmental Protection	304-759-0514 800-654-3312 (24 HR) 800-642-3074 (24 HR)
JACKSONVILLE, FL		
Florida	Emergency Resources Commission	850-413-9911 (24 HR)
	Department of Environmental Protection	850-488-2974
Georgia	Emergency Management Agency	800-241-4113 (24 HR)
L.A./LONG BEACH, CA		
California	Office of Emergency Services	916-262-1621 (24 HR) 800-852-7550
	Fish and Oil Spill Prevention and Response	916-445-0045 (24 HR)
LONG ISLAND SOUND, CT		
Connecticut	Department of Environmental Protection	860-424-3338 (24 HR)
New York	Department of Environmental Conservation	518-457-3446
	Department of Environmental Conservation (in State)	800-457-7362 (24 HR)

LOUISVILLE, KY		
Illinois	Emergency Management Agency	217-782-7860
	Emergency Response	217-782-3637 (24 HR)
Indiana	Department of Environmental Management	317-233-7745 (24 HR)
	Department of Environmental Management (in State)	800-451-6027
Kentucky	Environmental Protection Agency	800-928-2380 (24 HR)
Ohio	Environmental Protection Agency	800-282-9378 (24 HR)
MEMPHIS, TN		
Arkansas	Department of Pollution Control	501-682-0744
	Emergency Services	800-322-4012 (24 HR)
Illinois	Emergency Management Agency	217-782-7860
	Emergency Response	217-782-3637 (24 HR)
Kentucky	Environmental Protection Agency	800-928-2380
Louisiana	Emergency Hazardous Materials Hotline	504-925-6595 (24 HR)
Missouri	Department of Natural Resources	573-634-2436 (24 HR)
Mississippi	Emergency Response	800-222-6362 (24 HR)
Tennessee	Department of Health and Environment	615-532-0104
MIAMI, FL		
Florida	Emergency Resources Commission	850-413-9911 (24 HR)
	Department of Environmental Protection	850-488-2974
MILWAUKEE, WI		
Wisconsin	Department of Natural Resources	608-267-7454 (24 HR)
Michigan	Department of Environmental Quality	517-335-6873
	Emergency Hotline (in State)	800-292-4706 (24 HR)
MOBILE, AL		
Alabama	Department of Environmental Management	334-450-3400
	Emergency Management Agency	800-843-0699 (24 HR)
Florida	Emergency Resources Commission	850-413-9911 (24 HR)
	Department of Environmental Protection	850-488-2974
Mississippi	Emergency Response	800-222-6362 (24 HR)
MORGAN CITY, LA		
Louisiana	Emergency Hazardous Materials Hotline	504-925-6595 (24 HR)
NEW ORLEANS, LA		
Louisiana	Emergency Hazardous Materials Hotline	504-925-6595 (24 HR)
Mississippi	Emergency Response	800-222-6362 (24 HR)

NEW YORK, NY		
New York	Department of Environmental Conservation	518-457-3446
	Department of Environmental Conservation (in State)	800-457-7362
New Jersey	Department of Environmental Protection	609-292-7172 (24 HR)
PADUCAH, KY		
Kentucky	Environmental Protection Agency	800-928-2380 (24 HR)
Alabama	Emergency Management Agency	800-843-0699
	Department of Environmental Management	334-450-3400
Illinois	Emergency Management Agency	217-782-7860
	Emergency Response	217-782-3637 (24 HR)
Missouri	Department of Natural Resources	573-634-2436
Mississippi	Emergency Response	800-222-6362 (24 HR)
Tennessee	Department of Health and Environment	615-532-0104
PHILADELPHIA, PA		
Pennsylvania	Emergency Management Agency	717-651-2001 (24 HR)
	Department of Environmental Protection (in State)	800-541-2050
	Department of Environmental Protection (out of State)	717-787-4343
New Jersey	Department of Environmental Protection	609-292-7172 (24 HR)
Delaware	Department of Natural Resources	302-739-4506
	Department of Natural Resources	800-662-8802 (24 HR)
PITTSBURGH, PA		
Ohio	Environmental Protection Agency	800-282-9378 (24 HR)
Pennsylvania	Emergency Management Agency	717-651-2001 (24 HR)
	Department of Environmental Protection (in State)	800-541-2050
	Department of Environmental Protection (out of State)	717-787-4343
West Virginia	Department of Environmental Protection	304-759-0514
		800-654-3312 (24 HR) 800-642-3074 (24 HR)
PORT ARTHUR, TX		
Louisiana	Emergency Hazardous Materials Hotline	504-925-6595 (24 HR)
Texas	Texas General Land Office	800-832-8224 (24 HR) 512-424-2277 (24 HR)
PORTLAND, ME		
Maine	Department of Environmental Protection (MDEP)	207-287-4080
New Hampshire	Department of Environmental Services	603-271-3503
PORTLAND, OR		
Washington	Emergency Management Division	800-258-5990 (24 HR)
Oregon	Emergency Response	503-378-6377

PRINCE WILLIAM SOUND, AK		
Alaska	DES	800-478-9300
	Department of Environmental Conservation	907-465-5010
PROVIDENCE, RI		
Massachusetts	Department of Environmental Protection	617-292-5500
Rhode Island	Department of Environmental Management	401-222-2771
	Emergency Management Agency	401-946-9996
PUGET SOUND, WA		
Washington	Emergency Management Division	800-258-5990 (24 HR)
SAINT LOUIS, MO		
Iowa	Department of Natural Resources	515-281-8694 (24 HR)
Illinois	Emergency Management Agency	217-782-7860
	Emergency Response	217-782-3637
Minnesota	Pollution Control	612-296-6300
	Public Safety (in State)	800-422-0798
Missouri	Department of Natural Resources	573-634-2436 (24 HR)
North Dakota	Department of Environmental Protection and Health	701-328-5150
	Department of Environmental Protection and Health (in State)	800-472-2121 (24 HR)
South Dakota	Department of Natural Resources	605-773-3296
	Division of Emergency Management	605- 773-3231
SAN DIEGO, CA		
California	Office of Emergency Services	800-852-7550
	Fish & Oil Spill Prevention and Response	916-262-1621 (24 HR)
		916-445-0045 (24 HR)
SAN FRANCISCO, CA		
California	Office of Emergency Services	800-852-7550
	Fish & Oil Spill Prevention and Response	916-262-1621 (24 HR)
		916-445-8045 (24 HR)
SAN JUAN, PR		
Puerto Rico	EQB	787-766-2823
	Department of Natural Resources	787-723-2055
Virgin Islands	Department of Natural Resources	340-776-8600
SAULT STE. MARIE, MI		
Michigan	Department of Environmental Quality	517-335-6873
	Emergency Hotline (in State)	800-292-4706 (24 HR)
Wisconsin	Department of Natural Resources	608-267-7454 (24 HR)
SAVANNAH, GA		
Georgia	Emergency Management Agency	800-241-4113 (24 HR)
South Carolina	Department of Environmental Control	803-253-6488

SOUTHEAST ALASKA, AK (JUNEAU)		
Alaska	DES	800-478-9300
	Department of Environmental Conservation	907-465-5010
TAMPA, FL		
Florida	Emergency Response Commission	850-413-9911 (24 HR)
	Department of Environmental Protection	850-488-2974
TOLEDO, OH		
Michigan	Department of Environmental Quality	517-335-6873
	Emergency Hotline (in State)	800-292-4706 (24 HR)
Ohio	Environmental Protection Agency	800-282-9378 (24 HR)
WESTERN ALASKA, AK (ANCHORAGE)		
Alaska	DES	800-478-9300
	Department of Environmental Conservation	907-465-5010
WILMINGTON, NC		
North Carolina	Department of Environment	919-733-5291
	Department of Environment	919-733-3300 (24 HR)

APPENDIX D

